

POLICE, CUSTOMS AND MILITARY EQUIPMENT



PKI ELECTRONIC INTELLIGENCE GmbH GERMANY

PKI 7100

X-Ray Inspector

The **PKI 7100** is a portable fully digital X-ray-system consisting of an exceptionally constant potential X-ray source and Hi-Tech image capture unit for examination of suspect packages or other inaccessible areas where bombs, listening devices or contrabands may be hidden. The system especially is designed for EOD technicians, customs, police and army. **PKI 7100** sets a new standard for image quality, as well as for quick and safe inspection. It offers the possibility to take four images at different energy levels in 12 seconds for progressive penetration depth studies. All images are transferred to a notebook at very fast rate.

Specifications:
Image capture unit:

- CCD camera: 768 x 576 pixel, 8 bit resolution
- Operating time: 2,5 hrs
- Dimensions: 250 x 450 x 170 mm
- Weight: 9,7 kg

X-Ray Generator:

- Wave-form: constant potential
- X-Ray dose: 1 ft 1000 μ Sv/sec.
- Max. battery capacity: 5-6 min.


continuous X-Ray generation

- (up to 120 images with 3 sec. exposures)
- Max. kV 120 kV (adjustable 40 to 120 kV)
- Max. mA 1.5 mA between 40 and 80 kV; 1 mA between 80 and 120 kV (adjustable from 0.1 to 1.5 mA)
- Steel penetration: 12 mm at 15 cm distance
- Exposure time: 1 sec to 99 sec
- Focal spot size: 0,25 x 0,5 mm
- Power supply: 2 batteries (1 spare) 36 V, 600 mAh Ni-Cd
- Weight: 6,5 kg
- Beam angle: 60° x 52°

Software:

- Reverse Black & White: Sort and file management (on CD or HD)
- Pseudo Colour Pseudo 3D
- Contrast stretch Zoom (window selection)
- Portable, digital X-Ray system
- Battery operated, small and light weight
- Ultra light constant potential X-Ray set
- Mini focal spot, wide angle beam
- kV and mA outputs selectable from PC
- communication cable, 50 m coiled

PKI 7110

X-Ray Color Mailscanner

This X-ray scanner is designed for security control of incoming mail, such as parcels and letters. The **PKI 7110** is used at embassies, courts, jails, ministries, military departments and factory security offices. It works with a special short-time exposure and records the taken x-ray picture for further analysis. X-Ray scanning is only done behind closed protective door. If the door happens to be opened prematurely the x-ray scanning will stop immediately. **PKI 7110** complies with CE and X-ray regulations.

Specifications:

- Dimensions: 430 x 610 x 1610 mm
- Inspection scanner: 420 x 560 x 530 mm
- Doorway: 340 x 530 mm
- X-ray source: 90 kW, 7mA, oil cooled
- Picture analysis: 2 brightness grades, inverted display with zoom and pseudo-color
- Display: 17", low-radiation
- Weight: 150 kg
- Power supply: 230 VAC, 50 Hz, 5A


PKI 7115

Microscope Camera for Inspection

This device is highly recommended for forensic investigation. An electronic, digital microscope captures smallest parts such as hairs, dandruffs, blood spots, etc. By means of its digital zoom function a magnification of 200x is possible. The recorded pictures can be stored onto a PC for further inspection. Automatic focusing is done directly at the microscope lens.

Specifications:

- Dimensions: \emptyset 33 x 110 mm
- Weight: 49 g
- Resolution: 1280 x 1024

- Focus range: 10 mm up to endless
- Exposure and white balance: automatic
- Power supply: via USB port at PC
- Video format: AVI
- Image format: bmp
- Equipped with quick USB 2.0 port for recording of up to 30 frames/second



PKI 7120

Letter Bomb Detector

PKI 7120 is designed for inspection of letters up to 6 cm thick. All known letter bomb explosives will be detected. The device actuates an alarm as soon as a letter is passing that contains dangerous material. Normal clips, needles etc. will not be indicated. Therefore its sensitivity cannot be adjusted by the user. This letter bomb detector doesn't need more space than a normal PC printer.

Specifications:

- Power supply: 110/220 V, switchable, 50/60 Hz
- Emergency power: 12V / 4 Ah, integrated
- Dimensions: 400 x 450 x 220 mm
- Weight: 8 kg
- Operating temperature: 0°C - 40°C



PKI 7130

Letter Bomb Detector

With the **PKI** letter bomb detector you can check all suspicious mail like letters and small parcels. It is easy to handle and detects all kind of metal and alloys and even very small components of improvised bombs or incendiary devices. Alarm is given as audio and optic signal. The audio alarm can be switched off. Two different modes are available: static or dynamic. In static mode, the alarm depends on an adjustable trigger threshold and has to be reset manually. In dynamic mode, the alarm signal depends completely on the target's characteristics. This allows the cross-checking and determination of the target's size and position, when a letter was separated due to an alarm.

The sensitivity of the **PKI** letter bomb detector is very high. It can be adjusted according to the required value and it is possible to suppress the indication of staples, clips or unwanted metal objects.



Specifications:

- Alarm: optical alarm and switchable audio alarm
- Dynamic mode: intermittent alarm with automatic reset
- Static mode: continuous alarm with manual reset by button press
- Power supply: built-in NiCd battery
- Operating time: approx. 18 h with NiCd battery
- Battery control: flashing led
- Dimensions: 380 x 280 x 65 mm folded, 380 x 280 x 215 mm unfolded

PKI 7190

Handscanner for Liquids

This hand-held liquids detector is a unique innovation for contactless detection of flammable and explosive liquids inside sealed containers. It quickly and accurately checks the contents, such as plastic and glass bottles and other non-metallic containers up to 9 mm thick, without having to open any seals or tapes.

This handscanner exploits a technique which estimates the spatial distribution of electrical properties of a medium and can determine the characteristics of a liquid irrespective of the size of the container. The electrical properties of a liquid determines whether the liquid is either flammable or explosive.



Specifications:

- Size: 135 x 70x 24 mm
- Weight: 110 g
- Power supply: 2 x AA batteries

PKI 7200

X-Ray Scanner

The **PKI 7200** X-Ray Scanner is based on the principle of registration of the back-scattered X-radiation from the enclosures located behind various kinds of obstacles (steel, aluminium, wood etc.) and designed for detection of the enclosures located in the optically opaque and covered-up spaces, such as motor vehicle doors, seats, fuel tanks, wheels, truck body walls, racks etc. **PKI 7200** is a handy, dust- and splash-proof device which can be operated either as a stationary version (with power from the mains of 100-240V) or as a portable version (with power from the supplied battery pack of 12 VDC). **PKI 7200** surely detects the enclosures measuring down to 2x2x2 cm with the density ranging from 0.5 to 2 g/cm³ (plastics, organic and inorganic substances) which are located behind the obstacles with a maximum thickness of 40 mm for wood, 10 mm for aluminium and 1.0 mm for steel.

Specifications:

- Warm-up time: max. 10 sec
- Output power: from X-Ray source 50 kV
- Annual effective dose of radiation: less than



- 5 mSv at 1700 operating hours per year
- Operating temperature: - 20°C to + 50°C
- Operation time: stationary: 24 h, continuously portable: approx. 7 hours
- Dimensions: approx. 325 x 70 x 175 mm for scanning device and 200x50x105 mm for battery pack
- Weight: approx. 2.4 kg for scanner plus approx. 1.8 kg for battery pack with carrying belt

- Power consumption: 27 W A/C-operated 18 W battery-operated
- Search of arms, drugs, contraband goods
- Inspection of cavities with one side access
- High speed inspection
- Safe radiation

PKI 7250

Letter X-Ray System

The **PKI 7250** is a compact, entry-level letter and small package X-Ray Security Screening System for desktop operation in mailrooms, corporate offices, embassies, prisons, executive residences, courtrooms, etc. (Where such suspect material must be screened.) It is perfect for the rapid detection of contraband materials in mails, briefcases, backpacks, clothing, electronic devices as well as personal belongings like purses, cameras, shoes, bins, mailbags etc.

Specifications:

- X-Ray generator: rated 90 kV constant potential peak current - 1 mA max. cooling - sealed oil bath, air penetration - up to 11 mm of steel equivalent
- Viewing method: direct view
- Fluoroscopic inspection screen size: 17" x 17" The full screen area is displayed. (thick parcels may need to be viewed twice)
- Power supply: 110-130 VAC or 210-250 VAC at 50/60 Hz
- Dimensions: approx. 77 x 58 x 60 cm
- Weight: approx. 160 kg
- Radiation safety: dual safety interlocks panel operating switch double shielded glass lockable power switch meets or exceeds all applicable radiation and CE marking standards



- High penetration, more efficient and reliable by 90 kV X-Ray source
- Extra fine grain resolution, with greater brightness, for a very sharp image
- Higher throughput of larger parcels than other similar models - at less costs
- Examines more than 400 batches per hour, 200-500 standard envelopes per batch
- Very easy to install, operate and maintain. No moving parts to maintain

PKI 7260

X-Ray Luggage Inspection System

The **PKI 7260** is a heavy duty, conveyorised X-Ray Security Screening System designed for screening cargo and large luggage, detecting concealed weapons, explosives, narcotics, foreign currencies, contraband goods or manifest frauds. Featuring an opening of max. 100 x 80 cm and an endless conveyor belt, this device perfectly matches the requirements of professional users. **PKI 7260** should be used at any airport, rail or bus station, government facility, loading dock, customs office, nuclear power station, hospital or wherever suspicious luggage or parcels may occur.



Specifications:

- Dimensions: approx. 317 x 129 x 173 cm
- Weight: approx. 600 kg
- Construction: unibody heavy duty gauge epoxy-painted steel construction with stainless steel trim and accessories, non-marring casters, levelling jackcrews and reinforced forklift pockets. Corrosion resistant command centre keypad mounted on side, or available on table
- Tunnel size: approx. 100 x 80 cm with endless conveyor belt
- Material penetration: 28-29 mm steel
- Contrast sensitivity: > 2 Mio colour tones
- Conveyor height: – 27 cm off floor speed - 24 cm per second, reversible pulling weight – 150 kg as standard, 400 kg as option

- X-Ray generator: self-contained, shielded tank with 160 KV high voltage rating (140 KV operating voltage), with 100% sealed oil bath cooling for duty cycle. Dose rate – 0,1 mRad diagonal beam orientation (80° beam divergence)
- X-Ray Detectors: Surface-mounted, fully integrated, high frequency, solid state detectors using high speed processors and advanced

- Pentium 4 processing with multi-energy.
- Video: the standard system comes with a high resolution, flicker-free and low radiation 17" SVGA display with 1280 x 1024 pixels.
- Environmental conditions temperature range 0 – 40°C at 95% non-condensing relative humidity
- Power supply 100 to 250 VAC at 50 - 60 Hz

PKI 7270

Detection Dog

Detection dogs are very often used at customs for tracing drugs, explosives etc. Specially educated dogs also locate banknotes or ivory which is quite unbelievable considering modern electronic detection systems. However, dogs have proved to be very reliable. Also in cases of earthquakes or avalanches they show high efficiency and are indispensable at any rescue service.

We offer a systematic and efficient training and handling courses with teacher to acclimate dogs, lasting 6 weeks.

Specifications:

- German Sheperd
- Labrador Retriever
- Giant Schnauzers
- Malinois



PKI 7290

Quick Test for Proof of Explosives

This quick test has a low rate of false alarm at highest sensitivity giving a result within only a few seconds. Its easy manipulation, which needs only little training time, makes the **PKI 7290** indispensable for police operations, flight attendants, customs, etc. Long shelf-life (18 months) at a wide temperature range and its handy size that allows to inconspicuously wear it on you are only two of its advantages.

Specifications:

- Detection: aromatic, aliphatic and anorganic explosives
- Proof: smallest quantities are sufficient (nanogram range)
- Sorts of explosives: ANFO, DNT, RDX, TETRYL, TNT
- Various: very cheap possibility of detection of explosives


PKI 7295

Quick Test for Proof of TATP and HMTD

PKI 7295 is well suited to complete further analysis device, as it allows a first check due to its uncomplicated and easy handling. In addition to that, its small size allows inconspicuous bearing on the body and offers good service for example in case of access controls, covered investigation, patrol service etc. Should a detection dog for explosives give alarm when controlling buildings and rooms the dog handler can start a first quick test within a few seconds.

Specifications:

- Detection: TATR and HMTD peroxide-based explosives
- Proof: smallest quantities will be proved (nanogram range)
- Various: extended shelf-life (18 months) at wide temperature range possible, Cheap solution for detection of explosives


PKI 7300

Handheld Explosive Detector

The **PKI 7300** is a handheld device for rapid and effective screening of all explosives including ICAO taggants, military plastics and TATP, using Luminol Chemiluminescence (Chemilumina). It detects bombs and explosives with a fast response time (typically 15 seconds). The detector does not use any external carrier gas or radioactive source. **PKI 7300** offers extremely fast and reliable detection with very high selectivity for explosives.

Specifications:

- Detection Principle Luminol Chemluminescence - Disposable cartridge
- No Radioactivity No radioactive source, and no licensing or radioactive calibration applicable
- Detectable Compounds Most military (including plastic) and commercially available explosives, C4, TNT, Nitroglycerin, Dynamite, PETM, Semtex, RDX, ANFO, ICAO, Taggants, (DMNB, EGDN, o-MNT, p-MNT), Urea nitrate, and TATP
- Sampling Capabilities Vapors and particulates - Dual Mode
- Typical Sample/Analysis Time
Sample: 5-30 seconds (user selectable based on application)
Analysis: within 15 seconds
- Initial Warm-Up Time 30 seconds
- Carrier Gas None required (ambient air)

- Controls:
Power switch Keypad
Automatic Vapor/Particulate selector
Volume control (with optional earphone)
- Operational Status Indicators:
LED indicator lights
4 x 20 Liquid Crystal Display (LCD)
- Data Storage + Communications:
Storage of 1000 data records, RS-232 serial output port for remote control and external display
- Power Supply: 12 volt DC rechargeable battery pack
External battery pack 12 volt AC adapter
- Operating + Storage Temperatures:
Operating: 0°C to +55°C (+32°F to +131°F)
Storage: 0°C to +65°C (+32°F to +149°F)
- Weight + Dimensions:
Unit weight: 3 kg in ABS engineered plastic shielded case
Unit dimensions (LxWxH): 51x14x11 cm
Shipping weight: 12 kg in steel-reinforced, foam-padded, protective carrying case



- Simple operation for non-specialist personnel
- Dual sensitivity for normal and high-risk situations
- Optical and acoustic alarm
- Ion drift principle with humidity protection
- Rugged construction

PKI 7305

Detector of Plastic Explosives

Plastic explosives are more and more frequently used by terrorists. In order to detect them the **PKI 7305** has been developed. It uses the Doppler effect with selected frequencies and simultaneously compares metallic and non-metallic compounds. The discrepancy between these two measured results is analyzed.

Specifications:

- Dimensions: 175 x 66 x 129 mm control device
146 cm length, searching probe



PKI 7310

Handheld Detector of Explosives

This portable explosives detector is capable of detecting the presence of all explosives, including ICAO taggants, military plastics and TATP. It is self-contained, lightweight and comes in a fully equipped, rugged carrying case and offers fast, stable detection with very high selectivity for explosives. Ready to operate within one minute of powering-up, a simple push of the button automatically activates the sampling and analysis modes. Results are displayed in just some seconds on an easy-to-read LCD. Therefore this detector is ideal for all non-technical personnel as only minimal operator training is necessary and no carrier gas or radioactive source is used.

Specifications:

- Detectable compounds: C4, TNT, Nitroglycerin, Dynamite, PETN, Semtex, RDX, ANFO, ICAO, Taggants, (DMNB, EGDN, o-MNT, p-MNT), urea nitrate and TAPT



- sampling capabilities: vapours and particulates - dual mode
- typical sample/analysis time: sample: 5-30 seconds (user selectable based on application) analysis: within 20 seconds
- controls: power switch, keypad, automatic vapour/particulate selector, volume control, sample switch
- operational status indicators: LED indicator light, liquid crystal display with graphic display
- data storage + communications: 1000 data records stored for further analysis serial output port for remote control and monitoring
- power supply: 12 V DC rechargeable battery pack external battery pack 12 V AC adapter
- Operating temperature: 0°C to +55°C
- Storage temperature: 0°C to +65°C
- Size: 510 x 140 x 110 mm
- Weight 3 kg

PKI 7330

Vapour Tracer & Analyser

This vapour tracer and analyser is the only portable, real-time, ultra-fast analyser available on the market, that detects and identifies all types of vapours and traces of organic, biological and chemical compounds accurately and in extremely short time. Therefore this new equipment is used by law enforcement and military organisations for detection of explosive devices and all types of narcotics. The vapour analysis technology is based on surface acoustic wave sensors and flash chromatography, which allows the fragrance or odour that is associated with specific chemical processes or products to be chemically analysed and quantified, in parts per billion accuracy, and this within only few seconds.

Specifications:

- Sensitivity: analyzes vapours within 10 seconds in parts per billion for most compounds detects hydrocarbons in the range of C4-C25, sensitivity will vary by compounds sampling time, matrix, interferences and detector temperature settings



- Detector: surface acoustic wave - quartz microbalance
Sensitivity Temperature: 0°C - 125°C programmable
- Sampling: internal sample pump Sample introduction - 5 ml/sec
Time programmable from 1-300 seconds
Sample absorbed into internal tenax pre-concentrator
- Column heater range: isothermal operation: 40°C to 180°C or 5°C above ambient
Column ramping: isothermal or ramped for 1-18°C/second
- Carrier gas: helium, typical usage is 300 tests per day with one helium charge
- Analysis time: 10-60 seconds
- External input/output: remote start input Digital output information
- Dimensions: 30 x 25 x 15 cm
- Weight: 9.1 kg
- Power: 100-260 VAC at 250 Watt max.

PKI 7350

Explosives and Narcotics Trace Detector

The **PKI 7350** is the first and most recognised portable explosives and narcotics trace detector that uses Luminol Chemiluminescence (Chemilumina) plus the unique GC/IMS (gas chromatography/Ion mobility spectrometry). It is the only portable device capable of detecting the presence of all the explosives incl. ICAO taggants, military plastics and TATP combined with a detection of cocaine, opiates, cannabis and amphetamine-type stimulants. It does not use any external carrier gas or radioactive source and offers extremely fast and reliable detection with very high selectivity for explosives.

PKI 7350 should be used at any Police and Bomb Squad, Embassy, Sea- or Airport, Border Crossing, Government Building, Nuclear Power Plant or any other place where high risks of attacks with explosives may occur or where the use of narcotics has to be identified.

- **PKI 7350's** dual technology platform detects and identifies traces of specific explosives and narcotics within a multi-compound sample more accurately than single technology systems can do.

- **PKI 7350's** superior design and intelligent analytical software allow exceptional trace detection performance and by this offers a maximum of sensitivity.

- **PKI 7350's** GC/IMS dual technology ensures the lowest false alarm levels.



- **PKI 7350** is easy to operate. Use the sampling tab to survey the target surface for traces of explosives and the unit processes and analyses the samples immediately and displays the results on its touch screen, making detection an easy process that only takes seconds. Just a simple one-step process is to be made and with minimal training this device is a perfect tool for areas with high turnover.

- **PKI 7350** has a built-in networking and communication capability. The device can easily be interfaced with other screening systems, creating a comprehensive security solution.

- **PKI 7350** offers continuous action and complete analysis within seconds i.e. a high throughput - ideal for high volume environments like airports and border crossings.

Specifications:

- Detection capabilities Explosives:
 - PETN, RDX, TNT, NG, Dynamite, Semtex, C4, Narcotics - Cocaine, Opiates (Heroin and Morphine), Cannabis (Marijuana and Hashish), Amphetamine-type stimulants (amphetamine, ecstasy & methamphetamine)
- Technology Gas chromatography / Ion mobility spectrometer
- Sensitivity: Nanograms to picograms
- Analysis time: 6 - 20 seconds, variable
- Power supply: 90 to 265 VAC, 50/60 HZ
- Power consumption: < 500 W
- Warm-up time: 20 minutes from a cold start
- Weight: < 25 kg

PKI 7355

Explosives Trace Detection System

The **PKI 7355** is a mobile unit for baggage inspection without the use of any radioactive source for ionisation. Unlike conventional explosive trace detection devices no special gases or liquids are required. It is easy to use for high speed explosives detection by just the graphical user interface on the touch-screen. The highly visible and large LCD-monitor clearly shows each information on the display. The complete unit is certified by many countries - for example the United States DHS/TSA (Department of Homeland Security/Transportation Security Administration).

Specifications:

- Analysis Unit: Quadrupole Mass Spectrometer with air pressure chemical ionisation
- Analysis time: 10 sec
- Warm-up time: approx. 30 min
- Display Colour: LCD (Touchscreen)
- Operating conditions temperature: +5 to + 35°C relative humidity: 20 to 80 % (non condensing)
- Power consumption: 1.500 Watts
- Weight: approx. 190 kg
- Dimensions: 650 x 1150 x 807 mm
- Storage conditions: 0 to 40°C and 10 to 90 % relative humidity



PKI 7360

System for Detection of Hidden Persons in Vehicles

PKI 7360 is essential for control of vehicles in prisons, for detection of illegal immigrants or terrorist risks. The so-called detection of heartbeats is the only known technology so far which allows reliable detection of hidden persons in vehicles. Not only the heartbeat will be detected but also inner movements of other body organs which cannot be influenced by human beings. The whole control of vehicles lasts only 2 minutes. As **PKI 7360** uses high sensitive sensors out of the earthquake research results are displayed within 10 to 25 seconds. **PKI 7360** is recommended by European Federal Police and is used by police and justice departments in many European and neighboured countries.



Specifications:

- System components:
 - 1 stationary PC
 - 1 colour monitor 15" touch screen
 - 1 PKI software
 - 4 magnetic sensors for trucks
 - 1 floor sensor
 - 1 low frequency measuring microphone
 - 1 spare sensor

Remark:
The detection of hidden persons is an extreme complex task due to nearly unlimited versions of different truck constructions. **PKI 7360** is a measuring device. The operation of this device and high security requirements claim trained personnel.

PKI 7375

X-Ray Inspection Trailer

The **PKI 7375** is the worldwide leading, mobile system for fast, reliable and sophisticated X-Ray, Metal- and Trace-detection screening. It is a self-contained and trailer-mounted device providing a mobile security system to be used by any government department, in sea- and airports, at border crossings, warehouses and correctional facilities to meet every requirement to screen cargo, packages and luggage. Many government departments of transportation have already approved this tandem axle trailer as being the best solution for all these purposes. Free from noise and distraction, the operators can concentrate on such inspections, as the **PKI 7375** is equipped with a double-walled insulation of 50 mm and a super-silent roof-mounted air-condition system. Precise X-Ray images of renowned clarity are generated by the integrated X-Ray detector system and superbly displayed on flat screen monitors. The well-appointed station console is ergonomically adjustable and provides a complete array of image identification and processing feature. For each and every operation, equipment quality and placement are determined for longevity and reliability. Several software programmes are already installed on the Pentium 4 computer.



Specifications:

- Overall dimensions of trailer: 4,24 x 2.58 m
- Inspection capabilities:
 - tunnel size - 100 x 80 cm
 - material penetration - 28-29 mm steel
 - contrast sensitivity - > 2 million colour tones
 - resolution - 40 AWG wire

- conveyor speed - 24 cm per second, reversible
- pulling weight - 150 kg
- film safety - up to ISO 1600 (33 DIN)
- X-Ray generator:
 - x-ray tube head - self-contained, shielded tank
 - High voltage rating - 160 KV, 140KV operating voltage
 - duty cycle - 100 % with sealed oil bath cooling
 - beam orientation - diagonal (80° beam divergence)
 - dose rate per exam. - 0.1 mR typical
- X-Ray detectors: surface-mounted, multilayer, fully integrated, high frequency, solid state

- detectors using high speed processors and advanced Pentium 4 signal processing with multi-energy.
- Video: standard with colour 17" SVGA monitor, high resolution, flicker-free, .21 dot pitch, 1280x1024 pixel
- Environmental conditions: 0 to + 40°C at 95% non-condensing relative humidity
- Electrical power requirements: power provided by on-board motor generator set, 7 KW continuous duty with 50 Amps service panel

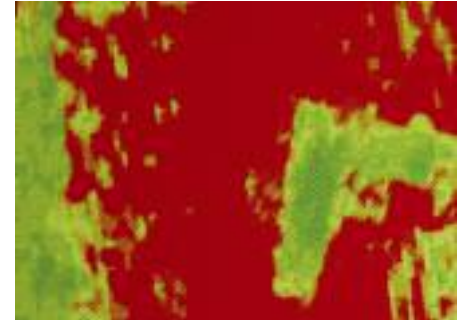
PKI 7400

Terahertz Imaging System

The **PKI 7400** Terahertz Imaging System is based on passive terahertz imaging technology, without illuminating or irradiating subjects in any way. No X Rays are used. Suspect objects are imaged by passively detecting terahertz waves naturally emitted by all objects and people. Terahertz waves pass through opaque materials such as clothing, packaging and certain building materials and can form images of objects, such as weapons, explosives, narcotics or contraband goods. The **PKI 7400** Terahertz Imaging system consists of a camera unit and digital CCTV, for mounting on user's external pan / tilt device. Ethernet control of camera unit from remote computer and RS 232 link between camera and external pan/tilt unit are possible.

Specifications:

- Imaging distance: 3 – 9 m
- Imaging rate: 1, 2, 3 fps
- Field of view: 1 x 1 m at 5 m distance
- Power Supply: 100 – 240 V AC, 50/60 Hz
- Dimensions Camera Unit: 60 x 50 x 30 cm
- Weight: 18 kg
- Passive Imaging of non-metal and metal objects
- Passive tracking of moving people at 0.5 m distance
- Compact portable imaging unit


PKI 7405

Through-the-Wall Detector

This device is a small handheld system for the detection and localisation of human beings or animals being suspected in inaccessible rooms. The typical application is during anti-terrorist interventions and disasters like earthquakes, demolitions, etc. Its high sensitivity even assures reliable detection of objects hidden behind solid structures like walls, wreckage, etc. According to the micro-movements performed by their life functions the system detects and localises them. In common use, the **PKI 7405** can be deployed vertically for forward observing or horizontally for up- and down scanning. The easiest way of operation is just to place the device on the wall or any other solid object. Another possibility is to mount the system on a tripod and to observe the obstacle from a distance of up to 10 m. An optional LAN remote control allows the operator to survey the scene from a safe distance, which is especially useful during long term operation. **PKI 7405** has two basic modes, one for fast moving and one for non- or slow moving objects. The fast moving mode has a better tracking accuracy whilst the slow moving mode is more suitable to detect objects which are not moving.

Specifications:

- Scalable range: up to 20 m
- Weight: approx 5 kg
- Breath detection
- Fast and long term investigation
- Data recording
- Tripod mount
- Optional remote control via LAN



PKI 7410

Microwave Barrier

As long as you are looking for a mobile perimeter control the **PKI 7410** is the only choice. It is a mobile perimeter microwave detector and is intended to provide temporary protective boundaries at airfields, military camps, provisional prison camps or other places where areas have to be protected against intruders before they can commit a crime.

Therefore this device should not be missing in any government department, as it is the one and only mobile version for totally secure area protection. It protects areas of up to 1.000 m and transmits full information to the security guards via radio channel at a max. distance of up to 6 km. By this the guards can easily determine what

is happening in the secure area enabling them to decide the next steps. The complete system is easily deployable and can be carried by one man in the supplied transportation bag.

Specifications:

- Zone length: < 50 m
- Zone width: 2 to 5 m
- Zone height: 2 to 3 m
- Max. zones: 20
- Max. length of secure area: 1.000 m
- Frequency of alarm signal transmission: 2.4 Ghz
- Operating temperature: - 40 to + 50°C



PKI 7415

IR Light-Barrier with Radio Transmission

This solar-powered unit is totally independent from any external power supply or batteries. The **PKI 7415** consists in a combination of a transmitter in the IR-range and a receiver in the HF range. The IR beam has to be placed in face of IR receiver within a max. range of 300 m. In case the invisible IR-beam is disconnected e.g. by a person, an alarm will be given which will be transmitted wireless to the HF receiver up to 1 km range. The complete system is solar-powered and even without sunlight works up to 4 weeks due to built-in rechargeable batteries.

- Power supply: solar cell, rechargeable battery
- Power consumption: 0,2 mA
- Alignment angle: vertical 10° (+/- 5°) horizontal 180° (+/- 90°)
- Operating temperature: -25°C to +55°C
- Dimensions: 73 x 85 x 180 mm

Specifications:

- Detection Range: from 10 m to 200 m
- RF Range: 1 km
- RF frequency: 433 MHz, 315 MHz



PKI 7420

Stowcheck Human Detector

The **PKI 7420** has been developed for border controls, police and law enforcement agencies to detect people hiding in confined spaces in trucks, lofts, rooms, vehicles etc. It works by detecting and analysing the presence of microscopic quantities of carbon dioxide gas which are emitted in human breath.

The system contains sophisticated software which interprets the results from the sensors. Results and current status of the **PKI 7420** are shown in the LED display.

An optional 50 mtr. CO2 pear drop rescue probe has been specifically designed for specialist rescue units following major disasters where people may be trapped in confined spaces.

Specifications:

- Measuring principle: non dispersive dual wavelength infra-red
- Gas detected: CO2
- Display: backlit LCD
- Response time: typically 20 seconds
- Operating time: up to 8 hours manual operation
- Ambient temperature: -10° - 40°C
- Humidity: 0-90% RH, non-condensing
- Audible alarm: adjustable threshold across range
- Power supply: rechargeable batteries



PKI 7425

Net Catcher

With this net catcher escaping persons can be arrested without any problems and danger. No need for a gun! **PKI 7425** looks like a common torch. A nylon net is placed in the head which can be ejected under high pressure up to a distance of 8 meters within one second. The person trapped by the net is forced to stop or falls down and can be arrested easily now.

Specifications:

- Power: high pressure
- Net diameter: 3 meter Ø, 16 m projector
- Net ejection speed: 3-8 meters in one second
- Net material: high strength nylon fibre
- Dimension: 60 cm
- Weight: 1.2 kg



- Various: easy to use & carry, suitable for users of all ages
- user permission not required, safe and low cost, environment-friendly, high shooting speed over 3-8 meters in one second, large catching diameter of 16 m

PKI 7430

Acoustic Warning Device

This device immobilizes everyone approaching you nearer than 200 m. A directed audio signal with 80 dB attains absolute threshold of pain. The sound beam can be used to assist law enforcement and security officers in riot control, maritime/perimeter security and counterterrorist hostage situations by allowing the operator to communicate with, and in some instances determine the intention of, a target individual over previously unattainable distances. At close range the device can be used to send an extremely uncomfortable ear-piercing noise to deter potential intruders or rioters. In anti-terror or hostage situations the **PKI 7430** can be used to distract attention away from other activity or to project a clear voice signal over many hundreds of metres.

Specifications:

- Maximum continuous output: 148 dB SPL at 1 meter
- Beam width: +/- 15° @ 1kHz/-3dB
- Frequency range: 200 Hz - 20 KHz
- Communication range: highly intelligible speech transmission over 2000 meters max. range of 650 meters over 88 dB of background noise
- Emitter Array Dimension: 635 x 635 x 304 mm
- Emitter Array Weight: 20 kg
- Power consumption: normal power consumption 250 watts peak power consumption 350 watts
- Power input: 12 - 28 VDC
- Safety: MIL-STD-1474D
- Electromagnetic compatibility: FCC part 15 class B radiated emissions MIL-STD-461E CE


PKI 7460

Laser Range Finder

The **PKI 7460** is a hand-held, lightweight and compact device for every kind of distance measurements. Having this unit available at any time, is a must to every government department being involved in urban structure development as well as police or military forces where a correct knowledge about the distance to an aimed target is essential. By means of a totally eye-safe and invisible laser beam, emitted by a special laser diode, the running time to the aimed target is determined for a correct distance measurement.

The **PKI 7460** operates either in passive mode (without reflector) or in active mode (with reflectors or reflecting foils). The integrated declination sensor elicits the exact distance to the aimed target. The result is digitally shown on eyepiece screen and furthermore can be transferred to PC or Datalogger via built-in interface.

Specifications:

- Distance of measurements: approx. 1.000 m in passive mode approx. 2.000 m in active mode (depending on reflexing capacity of target and meteorological conditions)
- Accuracy of measurement: 30 cm up to approx. 800 m distance 1 m for larger distances
- Measurement of declination: +/- 90°
- Accuracy of decline measure: +/- 0.25°
- Power supply: 2 batteries type AA
- Laser protective class: class 1
- Interface: RS 232
- Optical enlargement: 7 times
- Weight: 220 g



PKI 7480

Laser Shot Simulator

This laser shot simulator is designed for virtual training of appropriate reactions in rapidly evolving situations which may occur in hostile environments. Applicable tactics are practiced by approaching or confronting persons in lifelike scenarios e.g. identifying the target, making an instantaneous judgement as to the use of deadly force and place the shot. Various types of weapons can be chosen for training. Furthermore **PKI 7480** teaches handling with prescribed courses of fire.

PKI 7480 comes in a rolling, weather-proof Pelican case.

Specifications:

- Comes with:
 - Detection camera
 - Laptop
 - Video projector
 - Handgun
 - Laser inserts
 - Projection screen
 - Courseware
- Courseware
 - Branching Video Player
 - Skill Drills Vol.1
 - Course of Fire Vol. 2
 - 3D Firearm Cyclic Actions



PKI 7495

Mobile Electronic Shooting Area Kit

The **PKI 7495** updates the traditional target reporting and statistic ways into a self-intellectual, automatic and data processing way. A wireless data transfer system is applied in this. The main control computer adopts DUAL-CPU design style, incl. keyboard operation, computer printing, electricity volume and data presenting functions. Each display transfers all the detailed shooting process to the shooter, which not only helps him to know the scores and experiences, but also improves the training quality and efficiency.

The signals of bullet impacts are collected by high-velocity collecting chips with high sensitivity and being transferred wirelessly to the main computer. The target-plate is adhered to the sensor layer by a new compound material which allows a bullet hole recovery rate of more than 90%. The full range of the system consists of:

Specifications:

- Target-plate
- Target-bracket
- Anti-bullet Board
- Target Controller
- Data Adapter
- Cable Connection from target bracket to data adapter and target controller
- Wireless Receiver
- Main Computer
- LCD Display



PKI 7505

Semi-dry Diving Suit

This one-piece semi-dry diving suit is available in sizes XS - XXL. **PKI 7505** is extremely resistant against pressure. Knee and side pads are manufactured from solid, long-lasting fabrics. A separate hood is included. Zipper at arms and legs allow comfortable dressing. The diagonal main zipper is completely underlayed and has no contact to the body.

Specifications:

- Fabrics: titanium / plush
- Thickness: 5 mm at body
6 mm at arms and legs
- Colours: black / grey

**PKI 7510**

Dry Diving Suit

Some delicate operations in harbours for example require examination of underwater ship's body in order to find possible drug parcels which might be attached to the ship's body by magnet clamps. The **PKI 7510** dry diving suit is ideal for such actions. Knee and side pads are vulcanized on neoprene which predistines this suit for very tough applications. The zip is placed diagonally on the back. Weight pads on the belt and shoulders are also fixed by vulcanisation.

Specifications:

- Available sizes: XS - XXL
- Colours: black, orange
- Hood: separately
- Fabrics: 5 mm, semi compressed neoprene
- Boots: hard sole
- Inlet valve: frost-proof
- Outlet valve: automatic
- Comes with bag and grease stick

**PKI 7515**

Thermo Underwear

In order to feel comfortable in a dry diving suit, an effective protection against cold and humidity is essential. Longer dive times require sufficient insulation. The **PKI 7515** thermo underwear is made out of Merino wool. Due to the outstanding characteristics of this delicate material protection against coldness is guaranteed. Further accessories like gloves, footlets, snorkel, LED torches, flippers, valves, compressor, depth meter, diving watch, diving regulator, scuba tank etc. will be offered on request.

Specifications:

- Recommended temperature: up to 10°C, in case of even lower temperatures simply dress a second thermo underwear
- Colours: black
- Sizes: SX - XXL
- Weight: 220 g/m²

**PKI 7520**

Full Face Mask

PKI 7520 is proved in cold water and offers an extraordinary anti-fog system which allows clear view even at temperatures near the freezing point. This mask can be changed via easy reachable switch to over pressure breathing which is even possible with gloves. The mask can be used without deflating at any time. **PKI 7520** is tested and approved according to EU regulations.



PKI 7525

Inflatables

Inflatables are extremely practical and flexible, easy to transport and quickly to launch everywhere. Suitable for coast guard, police, marine research, diving etc. We supply inflatables with wood deck for 5-12 persons.

Standard Equipment:

- Inflatable keel
- Heavy duty rubbing strake
- Top buoyancy anti-chafe strips
- Stowage pocket
- Bow handle / towing point
- Lifelines - internal & external
- Davit lifting points
- Fuel tank retainers
- Carrying handles
- Towing bridle patches
- Drain plug
- Drain port
- Marine plywood non slip deck
- Aluminium deck
- Paddles with retainers
- Combines hand/foot bellows
- Maintenance kit
- Instruction manual
- Boat and deck valises



Specifications:

- Dimensions: 3,41 m - 5,25 m
- Weight: 59 kg - 163 kg
- Assembly time: max 20 minutes
- Max. performance allowed: 25 - 32 mph

PKI 7540

Inspection Mini Robot

You shouldn't miss this small and powerful mini robot in your equipment. It is completely remote controlled up to 130 m and has a weight of only 5,6 kg. All 4 wheels are driven by electric engines and cameras with microphones are integrated at the front and at the back. The **PKI 7540** can be used at day and night due to white and IR LEDs. A disruptor is mounted to the mini robot and can be activated by remote control. Further devices can be mounted on request. An additional cargo of 5 kg is possible.



Specifications:

- Dimensions: 364 x 392 x 170 mm
- Weight: 5,6 kg
- Drive: 4 wheels
- Power supply: 12 V /Ni/Mh
- Operation time: 60 – 90 minutes
- Max. speed: 7,5 km/h
- Front camera: with zoom 3x
- Rear camera: 68°horizontal, 54° vertical
- Control station: remote control for all functions
A/V receiver with 5,6" LCD display

PKI 7545

Breaching System

Drilling access holes through concrete, wood and sheet metal, with the **PKI 7545** breaching system makes searching sealed voids becomes quick and easy. The Breaching System is the fastest method available to positively locate victims of structural collapse. Its operation is facilitated by compact, comfortable support handles and a convenient throttle control and thumb operated safety switch. Four heavy duty various bits are provided with each system. The high speed diamond bits are water cooled by attaching the pressurized water container to the provided coupling. Coring in standard construction concrete averages 8 cm per minute. The **PKI** Breaching System doesn't need an electrical generator or air compressors. The system is fully portable and saves precious time when life is in danger.

Specifications:

- Power train:
two cycle
40 CC
2.75 Horsepower
Centrifugal Clutch
- Power head weight: 11,4 kg
- Speed: 950 rpm
- Boring speed:
7,6 cm per minute
Standard construction grade concrete



Results may deviate depending upon the material to be drilled

- Bits:
5,1 cm x 43,2 cm diamond faced
thin kerf - close segment
5,1 cm x 43,2 cm carbide faced
- Max. bit size: 10 cm
- Spindle: 1-1/4" x 7 threads per 2,53 cms
- Cooling:
pressurized water container
7,57 litre capacity
Hose 3,7 m with quick-connect fittings
- Field service kit:

- codura storage pouch
- spare fuel tank cap
- spare pre-wound starter recoil assembly
- 2 pcs key set for starter assembly
- spare spark plug
- spare plug wrench
- copper washer
- garden hose to water collar adapter
- Spindel extensions: 30,5 cm optional
up to three may be used
- Dimensions: 81 x 53 x 31 cms
- Weight: 34 kg

PKI 7550

Modular EOD / IEDD Robot

PKI 7550 is the optimum tool for every explosive ordnance disposal (EOD) technician. Due to its flexible track drive, the robot can be utilised on almost any surface. In order to get to the mission site, the robot is able to climb stairs and overcome obstacles without any problem. Thus **PKI 7550** can perform EOD tasks anywhere - in buildings, public means of transport or in outdoor terrain. Due to its small size, it can operate even in cramped conditions, e.g. in buses, trains or planes.

PKI 7550 is provided with a manipulator arm and a parallel gripper. The manipulator arm is controlled through a new type of remote control technology. The manipulator arm can be moved synchronously with the operator's hand of head movement. A stereo camera is attached at the arm's tip, which transmits its data to a head-up display and the control unit. Additional cameras on the basic platform and on the survey module facilitate the operator's orientation with the **PKI 7550**. A further advantage of the **PKI 7550** is its modularity. With only a few manual interventions, the **PKI 7550** can be transformed into a reconnaissance robot. Replacement of the payload modules with reconnaissance or manipulator arm is done within seconds. Thus, the operator can flexibly react to the requirements of his mission. This modular concept for a small robot is unique worldwide

Specifications:

- Dimensions: approx. 60 x 40 x 40 cm without arm
- Platform weight: 45 kg (incl. battery)
- Robot total weight: 90 kg (incl. battery)
- Drive system: Electric motors
- Power supply: 24 V / 27 Ah rechargeable batteries
- Operating time: up to 4 hours in mixed mode operation
- Speed: max. 10 km/h, precise slow movement
- Operating range: up to 1 km (line of sight) by radio remote control
- System mobility: operates on firm as well as relatively soft surfaces, climbs stairs, ramps up to 45°, surmounts obstacles of 15 to 20 cm height
- Communication video and data telemetry at 2.3/2.4 GHz; high-security data radio at 433 MHz
- Navigation camera images front- and rear- motion colour camera, stereo camera on the pulator arm, "picture-in-picture" (PIP) technology for simultaneous display of two camera images on the control unit
- Illumination white, high-power LEDs, ring-type around each camera
- Payload of manipulator arm up to 5 kg
- Working height of arm approx. 1,6 m, with optional extension up to 2,2 m



PKI 7560

Obstacle-Clearing Tank

Nowadays each country can be threatened by terrorism. Therefore it is essential to have all necessary basic equipment available such as our **PKI 7560** obstacle-clearing tank. German experts for explosives are the no. 1 worldwide due to their long lasting experience of bomb disposal. As specialists often don't like to work via monitor, this unit has been developed. The driver sits in a shell of 6 mm Naxtra steel, which resists explosives of 5 kg Nitropenta. The front side is especially reinforced with a 33 mm thick Lexar disc. You get inside the obstacle-clearing tank through a hatch which can be opened from in- and outside. An optional installation of 2 oxygen bottles guarantees survival in case of

accidental burying. Its small width of only 75 cm allows operation in confined areas.

Specifications:

- Dimensions outside: length 1,63 m, width 0,75 m, height 1,32 m
- Dimensions inside: length 1,10 m, width 0,62 m, height 0,96 m
- Engine: air cooled one-cylinder diesel engine with 1,3 l tank for 45 min. operating time
- Vertical motion of arm: 120°, horizontal: 30°
- Picker arm: 120°
- Window: 170 mm x 320 m made of bullet proof glass 2 side openings of 110 mm Ø
- Net weight: 635 kg



PKI 7600

High Power Microwave System

The **PKI 7600** offers new and additional possibilities for both military and civil forces by disrupting or destroying electronically controlled equipment and installations of any kind. The system generates a wide-band frequency spectrum. **PKI 7600**'s special feature is its effectiveness against unknown targets as well as target structures. It disrupts or destroys electronic modules in the target, generates resets in processor systems or induces power latch-ups. By this the targets can be neutralised effectively. The **PKI 7600** is a compact, autonomous and portable system which can also be integrated in various platforms. The basic version works as an omnidirectional disruptor. All components, including the battery, are integrated in a handy suitcase. In a modified

version the system is equipped with a reflector, permitting a directional radiation pattern.

Specifications:

- Standard Suitcase Version:
- Dimensions 500 x 410 x 200 mm
- Weight 28 kg
- Peak output power 250 mW
- Power supply 24 VDC battery, 4 Ah
- Antenna voltage 400 kV
- Radiation pattern omnidirectional (360°)
- Operating time 30 min continuous with internal battery, 3 hours burst with internal battery, 24 hours with external power supply

Please contact us for specifications of modified versions.



PKI 7650

Bionic Sensor

The **PKI 7650** is a portable and self-contained mini laboratory being developed in co-operation with renowned German institutes for silicon-technology and eBiochip systems. On the spot it provides a fully automatic recognition of selected biological agents within less than 30 minutes. The flexible technology of the **PKI 7650** is based on silicon-chips, on which antibody substances respectively DNA-structures are placed. This allows the identification of all kinds of important biological agents in next procedures. As all these biological agents are hard to identify, and their influence to human bodies only takes place after a certain period, it is most essential to have a fast and reliable identification of such substances for an effective and reliable prevention. Just with this single and innovative concept of sensors, the whole range of dangerous biological agents can be determined. By means of different chipsticks, even in accordance with customer's requirements, the range of detectable materials can be enlarged. For such amendments, alterations at the base-unit are not necessary. For



each integration of further enlargements, like automatic feeding of up to ten chipsticks and/or upcoming PCR (Polymerase Chain Reaction), various adaptable modules are available. The **PKI 7650** is in use with many NBC and fire-fighting departments worldwide and with its dual measuring positions for negative and positive results, it offers a fast and reliable method to determine selected biological agents. Using the **PKI 7650** in urban traffic systems, like

underground-, bus- and railroad stations it will give an immediate indication about pollution with dangerous biological agents. This enables the special forces to act before the first unspecified symptoms at human beings are recognised (most often only after 24 to 48 hours). Furthermore the **PKI 7650** can also be attached to our **PKI 7550** Modular EOD/IEDD Robot for extended security to the first responding team in cases of emergency.

PKI 7700

Screening Smoke System

In order to assure protection of critical infrastructures this special Screening Smoke Emitting Unit has been developed. The **PKI 7700** can easily be installed at the right place of premises to be protected and within seconds emits a visually impenetrable cloud of smoke. The used smoke emitting material is harmless to human health and environment. The **PKI 7700** can be adapted according to customer's requirements. We produce our **PKI 7700** on an individual basis and case by case in a very close cooperation with our clients. Like all the other products of our programme, we keep the price at a reasonable level, and agree with you how we can meet your needs. When contacting us on this device, please have the following information

ready at hand:

- Duration of smoke required
- Volume required (cubic meters)
- Ignition method required (fuse or electric)
- Physical size restrictions
- Intended use for the device

We will consider all this information in order to develop a product designed specifically for your application.

Specifications:

- Due to the tailor-made procedure of each single unit, we regret being unable to state here specific technical details. Please ask us for these by answering the a.m. questions.



PKI 7800

Helicopter

The **PKI 7800** is a 3-seater, lightweight helicopter to be used for every purpose in police, border patrol, secret services and other governmental operations. Other uses in corporate and/or private flights, news services for TV and radio media, pipeline- and power line control etc. can be effected as well. It is designed according to the latest state of technical standards and meets CS- 27 (EASA) and FAR 27 safety and environmental standards including "crashworthy" seats and fuelling system. Due to a revolutionary new technique, this helicopter has the advantage of a reduced fuel-consumption (up to 35%), a low noise level and low CO2 emission.



Specifications:

The technical specifications are self-evident and show the large capabilities of the **PKI 7800**: For further detailed information please contact us.

- Approved standards EASA (CS-27) & FAR 27

- Engine 230 HP jet fuel piston engine, single stage bevel gearbox, electronic engine management, direct injection
- Empty weight approx 700 kg (1.540 lbs)
- Max. take-off weight approx 1.182 kg (2.600 lbs)
- VNE 240 km/h (130 kts)
- Cruise speed MCP power
- ISA sea level 220 km/h (120 kts)
- Hover in ground effect ISA 3.685 m (12.000 ft)
- Hover out of ground effect ISA 2.124 m (7.000 ft)
- Service ceiling 4.572 m (15.000 ft)
- Max. range at 110 kts 887 km (425 miles)

PKI 8010

PKI 8015

PKI 8020

PKI 8030

Pin Fiberscope, Rigid Search Fiberscope, Flexible Fiberscope, Ultra-slim Fiberscope

Often observations and inspections have to be done through very small openings. To look through key holes, to monitor rooms through smallest holes in the wall, or simply to control areas behind a door, this all is possible with our fiberscopes. We offer a large variety of fiberscopes for day-to-day inspections. Whether you need it long, short, rigid, flexible, with or without light, with connection to video recorder or for direct observation. Please let us have your individual requirements and we will be pleased to issue a personally designed offer.



Specifications:

	Angle of view	Field of view	Dimensions	light	camera adapter
PKI 8010	0° forward	50°	170 x Ø 2 mm	12V/50W Halogen	included
PKI 8015	0° forward	30°	300 x Ø12 mm	12V/50W Halogen	included
PKI 8020	0° forward	60°	700-3000 x Ø 4-12 mm	12V/50W Halogen	included
PKI 8030	0° forward	50°	1000 x Ø 2mm	without	included

PKI 8040

Silent Drill

In most observation operations it is indispensable to have the possibility of direct viewing into the room in question. This can easily be done with our various endoscopes. However, first of all a small hole has to be drilled through the wall. As this has to be effected without noise, **PKI ELECTRONIC INTELLIGENCE** is pleased to introduce the **PKI 8040** as the one and only device for technical surveillance, special forces and law enforcement units. This drilling device is a special construction which is not available in common stores. It provides an automatic propulsion at low rotation speed, thus reducing drilling noises to a minimized level. Holes in walls of up to 60 cm thickness can be drilled with diameters of 1 mm upwards. It may be hand held or attached to the wall by a mounting bracket. After being attached to the wall, it does not have to be removed in order to exchange the drill bits, as all drill bits can be exchanged from the rear of the drill. A lever on

top of the drill assists the operator with keeping in level and a monopod, attached to the drill, maintains stability.

Specifications:

- Chuck standard 133 mm for drills from 1mm diam. upwards
- Power supply 85 - 270 VAC (50-60Hz) from mains or 12 VDC (20Amps) rechargeable battery with mains adapter/charger.
- Drilling speed low - 100 rpm at 6 VDC and high - at 140 rpm at 12 VDC
- Drives forward or reverse with switch on the side of the drill
- Motor protection special clutch system to disengage the motor at 10 Amps draw to protect the system
- Dimensions approx. 25 x 18 x 11,5 cm
- Weight approx. 8,5 kg
- Others The system is contained in two large, watertight cases



PKI 8050

Ultracam Videoscope

Often it is necessary to visually control a room before entering. There are many reasons, e.g. to check whether there are one or more persons in the room, which objects are in the room, etc. The **PKI Ultracam Videoscope** system is equipped with IR power diodes and can also be used at night when the room is totally dark without being recognized by present people. Just slide the very flat strip light of only 4 mm with integrated camera under the door and you can monitor the room due to its IR-light.

Specifications:

- Dimensions of strip light: 4.0 mm flat x 50 x 27 mm with integrated camera
- Camera: CCD, 420 TV lines
- Monitor recorder: 2,5" TFT LCD display with integrated video recorder for 4,5 hours recording time
- Power supply: Li-ion batteries, rechargeable, charger included



PKI 8055

Control Mirrors

A large variety of special control mirrors are always available in our stock. Inspection by mirror is the easiest and less expensive way. However, electronic surveillance with high resolution cameras is much more effective, especially as you can record time and date of traced objects. Therefore the use of mirrors can only be a first rough control.

- PKI 8060** Telescopic Arm & Interchangeable Mirrors
- PKI 8065** Short Arm Mirror with Torch
- PKI 8070** Pocket Search Mirror
- PKI 8075** Miniature Inspection Mirror
- PKI 8080** Under Vehicle Search Mirror



PKI 8060

Computer Inspection Eye

With this unit outstanding possibilities of monitoring are possible. Without any effort you can have a look at places that are hard-to-reach. A high resolution mini camera with integrated LEDs, connected to a laptop by a flexible 88 cm long gooseneck provides access. The LEDs can be dimmed and guarantee optimal illumination. The camera is connected to the laptop by means of a USB 1.1 cable of 2 m length. The supplied software provides easy handling of camera and laptop and allows storage of photos or videos on the harddisk or to watch them immediately. The camera head is water- proof and measures 17 mm Ø.

You need a laptop equipped with at least Pentium III 200 MHz with 32 MB RAM and 40 MB free harddisk space incl. CD or DVD-ROM drive. Windows 98/ Windows ME/ Windows 2000/ Windows XP or Windows Vista must be installed. On request we can supply a suitable laptop with installed software.


Specifications:

- Camera resolution: 640 x 480 pixel
- Frame rate: 30 fps
- Lens: F=2,8, view angle 54°
- Focus: 6 m to infinite
- Power supply: via USB

- Weight: 850 g
- Dimensions: hard case 35 x 20 x 4,5 cm
- Comes with: software and driver CD, operating manual, hard case
- Various: frames (snapshot function) or video recording possible

PKI 8095

Periscope

For unobtrusive optical observation a periscope is absolutely essential. Thus all actions can be supervised even if the controlled person hides behind a wall, container, hedge etc. **PKI 8095** is a simple device with metal housing and 4x magnification. The solid strap ensures controlled manipulation, which ensures easy and comfortable handling.

Specifications:

- Dimensions: 53 cm, unfolded 70 cm
- Ocular: Ø 18 mm
- Strap: 10,5 cm
- Optic: glass (Bk7)
- Magnification: 4x
- Weight: 420 g


PKI 8110

Telescopic Inspection Camera for Day and Night Observation and Recording

Trust, but verify! This saw often becomes true. We keep many different surveillance devices in stock, but **PKI 8110** is an exceptional one. The camera with enlarged optic and IR diodes for night observation is the head section. Due to its small dimensions monitoring even behind closed doors is possible. The camera is mounted slightly angled to the telescopic rod with strap. **PKI 8110** works totally autarkic, the power supply is built-in the tube as well as the A/V transmitter. Completely wireless functioning and supervision via monitor is possible. Now you can watch the pictures of the camera by means of wireless spy glasses or a receiver with built-in recorder and display which is fixed on your arm with a Velcro strap. Now you or a second person can take action if required.

Specifications:

- Dimension: rod telescoped 48 cm, not telescoped 150 cm

- Weight: 350 g
- Power supply: 12 V battery
- IR-diode: 5 mW, 4 pieces, 850 nm
- Head of camera: 3 x 30 x 60 mm
- Camera: ¼" color CCD
- Illumination: 0,1 Lux
- Resolution: 420 TV lines
- Focal distance: 3.7 mm, other

- distances on request
- Transmitter: GHz-range
- Power: 10 mW
- Receiver: 4 channels, GHz-range
- Recorder: 4,5 hours recording time
- Memory: SD card
- Display: 2,5" TFT, larger sizes on request
- Spy glasses: incl. GHz-receiver



PKI 8120

Super Probe

This multi-stage telescopic super probe has been carefully designed to provide the extra-extended length up to 6,5 m, yet retract to a manageable length of less than 2 metres. This allows the operators to retain good mobility on and in destructed areas or buildings.

The expanded length of **PKI** super probe is unvaluable in large collapse areas and enables floor-by-floor searches of multistory structures. The fully extended probe functions well in either horizontal or vertical applications. **PKI** super probe is designed for extended building collapse search operations, and is an effective tool for confined space rescue operations. The extra length allows the probe to be inserted into tanks, vaults and underground spaces to visualize and communicate with the victim without having to enter the space. The super probe can give the rescue team advanced knowledge of what they are up against with minimal risk and in many cases may facilitate the decision of how to operate in a rescue or recovery mode.



Specifications:

- Dimensions: telescopes from 1,75 m to 6,5 m
Camera 43 mm diam.
- Weight: 3,2 kg probe
2,3 kg control console
- Articulation travel: 180° total, right to left
- Total area viewed: 260°
- Control console: hand held pistol grip
finger operated rocker switch controls for articulation
illumination, audio gain, and push to talk
quick connect display

Video

- Camera: Color, 1/4" CCD, 5 Lux, 380 lines, auto iris
- Illumination: xenon high intensity lamp, 20 hour minimum life
- Display monitor: 5" diagonal, flat screen LCD active matrix system status graphics - illumination intensity, audio gain, push to talk, battery reserve, camera head position in 15° increments
- Auxiliary output: 7 pin, accessory multi-port
- Video standard: NTSC or PAL
- Viewing distance: 6 m in total darkness
- Audio: two-way audio integrated speaker, microphone, headphones

Battery

- type: sealed lead-acid
- Endurance: 3 hours continuous operation
- Recharge: 2 hours to 90%
- Weight: 2,7 kg
- Charger: automatic, dual rate
AC Dual voltage switchable 120/200 VAC

Environmental

- Operating temperature: -10° to 60°C
- Storage: -25° to 60°C
- Water resistance: water resistant, not designed for submersion

PKI 8130

Audio Video Observation Set

This set comprises a high resolution camera and a handheld receiver with monitor. This system has been developed especially for dangerous operations where it is preferable to stay at a protective distance. The camera works fully autarkic and can be mounted and connected wherever needed. The observer remains protected and controls all actions with both arms free for use in case of emergency, as the receiver/recorder with integrated display is fixed to the wrist by Velcro strap.

Specifications:

- Camera: 1/3" CMOS-Chip
- Frequency: GHz- range
- Resolution: 380 TV lines
- Colours: 628 x 582 pixels
- Min. illumination: 1 Lux
- Lens: 3,6 mm wide angle
- Power supply: Li-batteries rechargeable
- Transmitting power: 10 mW
- Microphone: built-in

- Operating time: 5 hours per rechargeable battery
- Dimensions: 66 x 24 x 24 mm
- Weight: 32 g
- Comes with charging unit
- Receiver: wireless, 4 channels at GHz range
- Recorder: MPEG-AVI max. 30 fps
- Storage: SD-card
- Recording time: max. 4,5 hours
- Power supply: Li-ion battery 2500 mAH



PKI 8140 **PKI 8145**

Audio / Video Sunglasses, Wireless Audio / Video Sunglasses

These video glasses are designed for hands-free audio / video observation. Instead of using an A/V LCD-display receiver you simply put on these glasses, enabling you to hear and watch like on TV. As looking over the spectacle frame very easy, you can either watch the video pictures or walk and observe your environment at the same time. Having your hands free for other activities is a great advantage. **PKI 8140** can be connected to any A/V output. **PKI 8145** additionally includes a miniature A/V receiver in the GHz-range enabling you to receive wireless signals with full liberty of action, which is perfect for A/V observation.

Specifications:

- Video signal: NTSC/PAL/SECAM automatic selection
- Display: 2 TFT LCD displays
- Color depth: 24 Bit
- Image input: composite AV input
- Image size: 80" screen (1 m far)
- Resolution: 640 x 480 (920 k Pixels)
- Audio: double-channel stereo
- Viewing angle: 35° (diagonal)
- Battery: 1000 mAh Lithium-ion battery
- Charging voltage: DC 5 V
- Weight: 89 g
- Dimensions: 180x 190 x 35 mm
- Power consumption: < 1,1 W
- Battery life: 3-4 hours
- **PKI 8145:**
- frequency 2.4 GHz, 4 channels
- Range: 300 m in open space
- Dimensions: 43 x 28,5 x 16 mm
- Weight: 25 g
- Power supply: 6V DC


PKI 8210 **PKI 8215** **PKI 8220** **PKI 8225**

Handheld Metal Detectors

These metal detectors for handheld use are the perfect equipment for professionals, giving reliable results at metal detection on persons. Invaluable because of their high sensitivity, easy manipulation and unique hardness. All devices are different from each other, for special details please see their specification listed below.

Specifications:

PKI 8210

- Alarm: acoustic
- Power supply: 9 V battery
- Dimensions: 400 mm total length, foldable
- Special feature: circular searchcoil

PKI 8215

- Alarm: acoustic
- Power supply: 9 V battery
- Dimensions: 400 mm total length, foldable
- Special feature: baton design, foldable

PKI 8220

- Alarm: acoustic, optical, vibration
- Power supply: 9 V battery
- Dimensions: 240 mm total length, pocket-size

PKI 8225

- Alarm: acoustic, optical, vibration
- Power supply: 9 V battery
- Dimensions: 462 mm, total length



PKI 8230

Top Quality Metal Detector

The **PKI 8230** has been developed for professional use and leaves nothing to be desired. A large display shows all necessary details. Detections are indicated by acoustic signals via the integrated loudspeaker. Of course the **PKI 8230** is equipped with socket for headphones for silent search. Its sensitivity allows detection of an object of the size of a 1 Euro coin in a depth of 25 cm. Extremely easy to use due to its digital measurement processing.

Specifications:

- Power supply: 2 x 9 V batteries
- Dimensions: 720 x 230 x 150 mm
- Weight: 2.8 kg
- LCD display: directional arrow, depth sensor, ground balance, battery life
- Audio output: 2.5" loudspeaker or headphones

- Metal detection: 3 different sounds for different metals
- Control button: switchable for volume and ground quality
- Switchover: mode, adjustment (+/-), ground inspection, entries



PKI 8235

Geiger Counter

This Geiger counter measures alpha, beta and gamma rays. Continuous measurement of radioactivity with data storage is possible and ranges from low environmental radiation levels of 0.01 Sv/h up to high radiation levels of 1000 Sv/h (legal limit value 20 Sv/h per year). The keypad with 10 keys offers a variety of information possibilities. Comes with a CD-ROM containing a menu-driven Windows software for analysis. The **PKI 8235** provides dosimeter function and display of the cumulated radiation level and also measures minimal changes of the radiation levels in your environment. Countable pulse resolution is possible of 1 count per min., per 10 min, 1 h, 1 day or 7 days.

Specifications:

- Power supply: Lithium battery
- Gamma radiation: as of 0.02 MeV
- Gamma sensitivity: 95 pulses/min. at 1 Sv/h
- Operating time: 117.000 h at 20 pulses/min.
- Dimensions: 70 x 161 x 30 mm
- Weight: 153 g
- Alpha sensitivity: from 4 MeV
- Beta sensitivity: from 0.2 MeV
- Gamma sensitivity: from 0.02 MeV
- Serial interface



PKI 8240

Hand-Held Radioisotope Detector

The **PKI 8240** is a complete, portable, digital gamma spectrometer and dose rate measurement device for all members of:

- Custom and border security
- Civil defence
- Police and military
- Metal industries
- Nuclear medicine etc.

It features a digital multi-channel analyser, amplifier, high voltage power supply and memory embedded in a lightweight, easy to use device. In standard configuration the **PKI 8240** comes with an integrated ¹³⁷CS source of about 500 Bq (15nCi) for calibration and stabilisation. Optionally a ³He neutron detector can be installed. Its main benefits are detection, location, measurement and identification of radionuclides, automatic calibration and continuous stabilisation, digital signal processing plus isotope ID based on template matching. All these functions are easy to operate by just two modes and a 3 button operation:

- a) EASY MODE** (automatic mode): dose rate, finder and isotope identification parameters are password protected.
- b) EXPERT MODE**: full functionality of all features incl. access for changing parameters/ settings.

Specifications:

- Detector type: NaI(Tl)
- Shaping: Digital Filter
- Resolution: 7% to 7.5% at 662 keV (typical)
- Throughput rate: > 100.000 cps
- Energy range: 15 kV to 3 MV
- Operating time: 10 hours with 2500 mAh NiMH rechargeable battery in dose rate mode
- Dimensions: 255 x 93 x 81 mm
- Weight: approx. 1250 g incl. batteries and NaI(Tl) detector
- Operating temperature: -15°C to + 55°C
- Accessories AC adaptor for stationary use and recharging power pack plus, RS232 and USB cables and connector box, holster, carrying case, optionally: earphones



PKI 8245

Radiation Detection System

The **PKI 8245** is an automatic system for radiation detection for all kinds of metallic scraps where unwanted radiating material might occur.

PKI 8245 is the only solution in steel industries, recycling factories and scrap trans-shipment centres for monitoring with wireless data transfer. The robust and resistant housing has to be mounted directly into the grab of a crane, thus giving best sensitivities due to the short distance between scrap and detector.

The **PKI 8245** consists of 4 components:

- the user-friendly interface to be placed in the crane's cabin
- the wireless, radio controlled and shock-resistant NaI detector in a robust housing
- the ruggedised, but easy accessible battery case
- the battery charger including a second battery to be charged in the cabin

Specifications:

- Detector 3" dia. x 2" NaI(Tl) with a shielded ^{137}Cs source with 30nSv/h dose rate in 1 m distance (equivalent to an unshielded 35 kBq source) 60 keV to 3 MeV with sensitivity > 2300 cps/ $\mu\text{Sv/h}$ at a response time of 2 sec
- Detector housing: steel, powder painted
- Shock resistance: > 30 g



- Battery: dry lead battery, 6 V/10Ah
- Control unit display: TFT-LCD with 240x320 pixel
- Operating system: LINUX
- Communication: wireless data transfer between detector and control unit
- Dimensions: 205 x 100 x 62 mm
- Weight: 1000 g
- Power supply: 24 VDC
- Alarm levels: 3 levels, software controlled
- Alarm output: optical - screen, red light, acoustic - sounder

PKI 8250

Radiation Detection System for Hand Luggage

The **PKI 8250** is an automatic detection system for radioactive material to avoid illicit trafficking and to protect security areas like airports, public buildings, customs offices etc. The very easy to handle **PKI 8250** can be mounted directly on-top of the conveyer belt of x ray scanners for hand luggage or at any other place where personal belongings are being checked. The system works fully automatically and in case radioactive material is passing, a sound alarm plus a red display indicates the hidden material in the corresponding bag.

Specifications:

- A)** Functions automatic monitoring against hidden radioactive sources
- Integrated electronics: Multi-Channel-Analyser
 - Integrated detectors: 2" x 2" dia. NaI(Tl) detector
- B)** Physical dimensions: 95 x 124 x 90 mm with 30 kg weight
- Protection class: IP 57
 - Operating temperature: -20°C to + 50°C
- C)** System specifications
- Energy range: 60 keV - 3 MeV
 - Sensitivity: > 1200 cps/ $\mu\text{Sv/h}$
 - Response time: 2 sec
 - Detection sensitivity: a shielded ^{137}CS source with 30nSv/h dose rate in 1 m distance will be detected (this is equivalent to an unshielded 35kBq source)
 - Detector housing: steel case, powder painted



- D)** Control unit Pocket PC with touch screen
- Display LINUX operating system
 - 3 alarm levels, software controlled
 - Keys for power On/Off and alarm:
 - Reset, alarm output by LED and acoustic sound
 - Dimensions: 100x210x60 mm
 - Weight: 1 kg
 - Power supply: 240 VAC

PKI 8255

Gas Warning Instruments

The **PKI 8255** family comes in three versions for the detection of either CO, H2S and O2. All instruments are equipped with a well arranged display providing the most important information. During the development the main focus was laid on a long operating time without need to exchange sensors or battery. Just two buttons allow handling of the unit. Each instrument can be configured via an infrared interface. **PKI 8255** allows adjustment of several display modes, different alarm limits, measuring units (mg/m3) or a life signal. As a special accessory a helmet holder is available allowing fixation of the device not only at the chest pocket or belt, but also at the helmet. The sensors, installed in the instruments, guarantee a lowest drift, cross-sensitivity and longest service life for operation during a two-years period without calibration. After a 2-year operating period (1 year in case of O₂ detection) the user may need to renew the instrument or to receive a reconditioned unit upon return of the used one.



This low cost method then allows an operating period of another 2 years.

Specifications:

- Three versions for CO, H2S and O₂
- CO measuring range 400 ppm
- H2S measuring range 100 ppm
- O₂ measuring range 25 % by vol.
- Operating conditions:
 - 20 to 50°C for short periods
 - 40 to 60° C (limited display function)

700 to 1300 hPa 10 to 95% relative humidity for short periods 5 to 99% relative humidity

- Storage conditions:
 - 0 to 30°C – 30 to 80% relative humidity
- Protection class IP 54
- Operating period:
 - 2 years for CO and H2S - 1 year for O₂
- Dimensions: 54 x 84 x 32 mm
- Weight: 105 g
- Loudness of alarm signal:
 - > 90 dB A (typical at 30 cm distance)

PKI 8260

Drug Test Kit

It is our ambition to provide you with high-quality products and top service. Germany is well known for its accuracy. We stick to this cultural background and assure to deliver only products of highest quality and absolute pureness, which meet with all requirements as to analysis results and substance identification. The **PKI 8260** delivers detailed, exact and absolutely reliable results of consumed drugs. This price worthy set is an immunological test for identification of consumed drugs in the urine, as well as in other suspicious compact material and is very easy to apply. The **PKI 8260** offers full mobility and security for the user, as no further items or dangerous chemical substances are necessary. A result with up to 99 % reliability can be obtained with this high-tech device within 1-5 minutes. Also available is an additional drug test panel, produced individually according to our customer's requirements. Every urinary test is based on the chemical reaction between the substance and the relevant test strips, which have a shelf life of up to 18 months before use.

Test properties of the stripes do not alter under normal storage conditions at moderate temperatures and comply with international standards with test results that are comparable to GC/MS. Minimum concentrations are between 10 ng/ml for Buprenorphin and 1000 ng/ml for Amphetamine, Tricyclic Antidepressants and Methamphetamines.

Specifications:

Identified substances:

- Amphetamines (AMP)
- Barbiturates (BAR)
- Benzodiazepines (BZO)
- Buprenorphines (BUP)
- Cocaine (COC)
- Methadone (MTD)
- Methamphetamine (mAMP/MET)
- Methylendioxyamphetamine (MDMA)
- Morphines/Opiates (MOP/OPI)
- Phencyclidine (PCP)
- Tetrahydrocannabinol (THC)
- Tricyclic Antidepressants (TCA)



PKI 8265

Drug Detector

This easy to use and absolutely reliable drug detector allows identification of 9 different drugs within 3-5 minutes. Simply fill a few urine drops into a standard pipette and the **PKI 8265** will show you the result within a few minutes without further training or preparation. The result remains visible up to 6 hours. You will find this device in every police station in Germany.

Specifications:

The following drugs can be detected:

- Amphetamines

- Cocaine
- Barbiturates
- Benzodiazepines
- Methamphetamine
- Morphine
- Phencyclidine
- THC (marijuana)
- Tricyclic Antidepressants

- Shelf life: 2 years, 8 hours after having removed protective foil



PKI 8270

IED/RCIED Detector

This very sensitive detector traces hidden analogue and digital signals which are frequently used for ignition of IED/RCIED bombs. Up to a distance of 120 cm the operator is able to handle the **PKI 8270** which offers an increased level of safety. The **PKI 8270** has been designed to detect waves of mechanical count-down timers and cell phones etc. in improvised explosive devices such as mechanical timing devices, wrist watches etc. It is equipped with a crystal detection sensor for detecting conducted circuits commonly found in IEDs and radio transmitted wireless devices. This is possible even through solid materials such as walls, bricks, glass, plastic, concrete, wood and similar. An integrated display at the detection head shows the results found during the operation. **PKI 8270** is an essential device for police, military and special EOD/IEDD forces for application at airports, check points, government buildings, police and military zones, oil and chemical zones, religious centres.

Specifications:

- Process control unit
- Size: 15 x 5 x 20 cm
- Material: anodized aluminium
- Operating temperature: -5°C to +70°C
- Humidity: RH 10 – 90%
- Working capacity: 24 hours (12 VDC)
- Sensor: resistant against ambient noise, able to measure analogue and digital signal
- Detection head: telescopic, high-sensitive, waterproof, with crystal sensor integrated display containing two display levels.
- Stereo headphone: high-sensitive
- Frequency range: 5-30.000 Hz
- Sensitivity: 107 dB


PKI 8275

Handheld Detector for Explosives, Chemical Warfare Agents, Toxic Chemicals, Drugs

This device is designed for daily use. In case of unknown odours, suspicious parcels, drugs etc, **PKI 8275** is the lightest and most universal detector on the market and can easily be handled by security staff. Reliable detection is its key task. **PKI 8275** can analyze suspicious particles as well as traces of gas and enables the user to take action accordingly.

Specifications:

- Weight: 3,2 kg
- Start-up time: 10 minutes
- Detection time: approx. 20 seconds
- Technology: Ion Mobility Spectrometry IMS
- Explosives detected: RDX, PETN, TNT; Semtex, TATP, NG, Ammoniumnitrate and others
- Narcotics detected: Cocaine, Heroin, THC, Methamphetamine and others
- Chemical warfare agents: Tabun, Sarin, Soman, Cyclosarin, Agent VX, nitrogeney perite 3 and others
- Toxic chemicals: Hydrogenzyamide (HDN), Phosgene, SO₂, NH₃ and others
- Display: 3,5" TFT-colour display
- Dimensions: 36 x 11 x 13 cm
- Power supply: battery for 4 hours
- Operating temperature: 0°C – 45°C
- Relative humidity: less than 95%


PKI 8280

Handheld Detector for Blood, Blister, Choking and Nerve Agent

This very reliable handheld device enables you to detect nerve and blister warfare agents as well as liquid agent contamination. It is used by civil security personnel and emergency forces. The **PKI 8280** detects contamination of personnel, vehicles, munitions and stores, in order to avoid cross-contamination and to stop unnecessary decontamination. Furthermore **PKI 8280** confirms that danger is over, i.e. decontamination was effective and area is clean.

Specifications:

- Dimension: 35 x 8 x 14,5 cm
- Weight: 1,9 kg
- Power supply: rechargeable battery
- Detects: blood, blister, choking and nerve agents as well as selected toxic industrial chemicals



PKI 8285

Handheld Detector for Chemical Warfare Agents, Mace, Pepper Spray

In case of threats due to chemical or pepper spray attacks, the **PKI 8285** offers profound possibilities of detection and supervising in any case. According to the selected configuration, the device works as a detector which shows up detection by an alarm and resets automatically, or as a continuously verifying surveillance system. The **PKI 8285** is the first device of this kind for detection of chemical warfare agents, pepper spray and mace that is designed for military and civil emergency cases.

Specifications:

- Dimensions: 10 x 9 x 28 cm
- Weight: 3 kg
- Detects: Tabun (GA), Sarin (GB), Soman (SD), VX, S-Lost (HD), Lewisite (L), pepper spray, Mace

- Power supply: 6 rechargeable batteries type C
- Operating temperature: -30° to +52°C
- Storage temperature: -62°C to +71°C
- Operator Service: 5 minutes per 24 hours of operation
- Alarm: visual and acoustic



PKI 8290

Multi-Sensor Handheld Detector for Gamma Radiation, Chemical Warfare Agents, Toxic Chemicals

The **PKI 8290** is the only portable device that offers quick detection, identification and quantification of toxic chemicals and chemical warfare agents. This device is used by military, first responder teams, police and personnel of forwarding companies at harbours and borders and in areas of critical infrastructure worldwide. **PKI 8290** is equipped with modern software combined with multi-sensor-technology in order to minimize false alarm, to improve accuracy and to guarantee reliable results.

Specifications:

- Technology: Ion-Mobility-Spectrometry (IMS) Photo-ionisation detection (PID) Taguchi Gas sensors (TGS)
- Detection and identification of the following chemical warfare agents: nerve - and blister warfare agents, blood and choking warfare agents
- Detection and identification of toxic industrial chemicals:

- dangerous substances classified as high and medium from list ITF-25
- Radiation detection: Gamma
- Alarms: acoustic, visual, and vibration
- Weight: 3,4 kg
- Dimensions: 43,2 x 14 x 12,7 cm
- Power supply: 18 V DC set of alkaline batteries
- Interface: USB

- GPS: integrated GPS for rapid localisation of incident
- Operating temperature: -10°C to 50°C
- Display: clearly visible LCD-display with built-in light sensor for automatic adjustment of backlight according to lighting conditions
- Radio communication: RF-modem



PKI 8295

Portable Analysis System for Unknown Chemicals

This rugged and portable **PKI 8295** analysis system is based on FT-IR (Fourier Transform-Infrared) Spectroscopy. Very easy to handle, it delivers quick and precise results. This unit is a very specific instrument which measures the interaction of chemical samples under infrared light. Every chemical substance has a unique finger print which will be compared with an integrated data base in order to allow identification in less than 20 seconds.

Specifications:

- Technology: Fourier-Transform-IR-Spectroscopy
- Weight: 10,43 kg

- Dimension: 18 x 39 x 36 cm
- Data base: MVW nerve and blister warfare agents, Toxic chemicals, White powder, Drugs and pre-stage of illegal drugs, Explosives and propellant
- Operating temperature: -7° to 50°C

- Relative Humidity: 0-80%
- User surface: Software is suitable for quick sampling analysis.
- Power supply: 100-240 V AC, max. 2A, 50-60Hz
- Integrated video microscopy system: 100x magnification



PKI 8300**Document Scanner**

The **PKI 8300** is designed for detection and identification of more than 40 different explosives or traces of narcotic substances in a quick 8 second analysis. Samples can be taken by simply swiping passports and other travelling documents over the sample disc. In case of detection the substances are identified and indicated on the display. If explosives are detected it means that there are smallest quantities of a particular explosive substance on the sampled document. This shows possible presence of explosives or indicates that the person might have been in contact with a bomb perhaps when preparing it.

Specifications:

- Technology: Ion Mobility Spectrometry (IMS)
- Detected explosives: RDX, PETN, TNT, Semtex,

NG, Nitrate, HMX, TATP and others

- Detected narcotics: Cocaine, Heroin THC (Cannabis), Methamphetamin, PCP, LSP, Ecstasy and others
- Time of analysis: 6 to 8 seconds
- Start-up time: less than 20 minutes
- Dimension: 40 x 34 x 32 cm
- Weight: 24 kg
- Operating temperature: 0°C to 40°C
- Relative humidity: less than 95%

**PKI 8305****Handheld Detector for Chemical Warfare Agents and Toxic Chemicals**

The **PKI 8305** is lightweight, reliable and small enough to be carried on you very discretely as personal detector. Fastened to the belt the user can concentrate on his main business. This device takes advantage of the modern technique of the Ion Mobility Spectrometry for detection and identification of low concentrations of chemical warfare agents or toxic chemicals.

PKI 8305 is quick and easy to handle due to its top-quality menu driven display and a functional keypad. Due to a separate testing mode the rate of false alarm could be reduced. Please note the outstanding battery life of up to 100 hours.

Specifications:

- Dimensions: 10,6 x 18 x 4,8 cm
- Weight: 650 g
- Power supply: 4 x batteries type AA
- Operating temperature: -32°C to +50°C
- Relative humidity: 8-100%
- Data interface: RS 232
- Various: small, light weight unit for continuous and real-time detection of chemical warfare agents and toxic chemicals.

**PKI 8310****Non-Contact, Walk-Through Portal for Detection of Explosives or Narcotics**

Trace amounts of more than 40 different explosives and drugs can be detected and identified within only some seconds. By means of gentle puffs of air particles trapped on hair, body, clothes and shoes are dislodged. Aided by gravity and a downward airflow these particles are then directed into the **PKI 8310** for analysis. Operation is done by an easy-to-handle color touch screen display. In case of an alarm the color printer will automatically print the digital photos taken during the screening process.

Control of people is done full automatically head-to-toe. Up to 6 people can be controlled per minute. With this high throughput, **PKI 8310** is ideal for applications where large numbers of people need to be screened for threats quickly, such as at airports, customs, military bases, correctional facilities and high profile facilities.

Specifications:

- Technology: Ion Mobility Spectrometry (IMS)
 - Explosives detected: RDX, PETN, TNT, Semtex, NG and others
 - Narcotics detected: Cocaine, Heroin, PCP, THC, Methamphetamine, Ecstasy and others
 - Dimension: 188 x 140 x 229 cm
 - Weight: 860 kg
 - Power supply: 220 V AC 50-60 Hz
- Comes with digital camera and printer



PKI 8500 to PKI 8995

Various Pyrotechnical Products

For more than 40 years, we **PKI ELECTRONIC INTELLIGENCE GmbH** have been working with prominent government authorities all over the world. Due to many important enquiries we have decided to complete our already extensive range of products by including pyrotechnics. To back this up, we are proud of our very special relationship with the world's leading pyrotechnic manufacturers. Please do not hesitate to contact us. We will answer promptly. We are sure that our new programme will satisfy your requirements.

The complete range of available pyrotechnics cannot be shown on just this one page, but we would like to give you a short summary. Our range of pyrotechnic products includes:

- Signal flares of various colours (red, green, yellow and white), different calibres and with or without parachute.
- Coloured smokes and screening cartridges
- Alarm and training devices like thunderflashes, alarm flares and gun fire simulation units
- Personal protective devices like dazzle and shock grenades, CN/CS or pepper spray canisters



- Distress items like hand flare or hand smoke devices in different colours and with various burning times.

we shall send you full technical information on each and every item. Please ask for our special catalogue.

Whatever you are requiring in the field of pyrotechnics, please let us have your enquiry and

PKI 9000

Portable Walk-Through Metal Detector

The **PKI 9000** Portable Walk-Through Metal Detector is the enhanced version of the former foldable detector. It is designed to detect dangerous weapons such as knives and pistols, even if these are concealed inside shoes or any other part of clothing. The unit is completely manufactured out of weather-resistant aluminium with highly reliable, battery-operated electronic circuitry. This provides a professional operation of 15-20 hours per battery load in each kind of in- or outdoor use independent of mains power. From this the field of application is rather unlimited. **PKI 9000** can easily be installed in front of any entry like prisons, boarder check-points, customs checks at sea- and airports, sport-arenas, fair-grounds and other places of events where persons have to be examined for dangerous goods.

Specifications:

- Width: 850 mm
- Height: 2000 mm
- Depth: 550 mm
- Weight: 3.5 kg
- Battery Life: 15 - 20 hrs
- Weather-resistant construction
- Rechargeable battery
- Lightweight and portable
- Highly sensitive



PKI 9005

Sprayer for Decontamination

This turbo sprayer is designed for interior decontamination / disinfection of tents, containers or buildings. Wherever a prompt and quick treatment against bacteria, fungi or insects is necessary, the use of our **PKI 9005** is indispensable. Its aerosol generator with high efficient turbo system atomizes up to 38 l disinfection liquid per hour.

Specifications:

- Dimension: 870 x 180 x 270 mm
- Weight: 6.9 kg
- Content of tank: 6 l
- Aerosol size: 20-400 µm
- Spray distance: max. 20 m
- Power supply: 230 V / 50 Hz / 1.0 kW
- Transport case: 600 x 240 x 400 mm, impact-proof grey plastic



PKI 9010

Hot Vapor Producer

This high-performance thermal vapor device is designed for interior removal of decontamination agents (BDS 2000, Wofasteril SC250). Besides its plastic diaphragms no mechanical moving parts are built in, which allows long operation time without need for spares. All you need are standard batteries to start up the device.

Specifications:

- Dimensions: 133 x 29 x 33 cm
- Weight: 9,3 kg empty, 17 kg full
- Power of combustion chamber: 18,7 kW
- Patrol consumption: 2 l/h



- Patrol tank: 1,4 l
- Overpressure in patrol tank: 0,12 bar
- Content of agent tank: 6,5 l
- Discharge pressure: 0,4 bar

PKI 9015

Decontamination Container

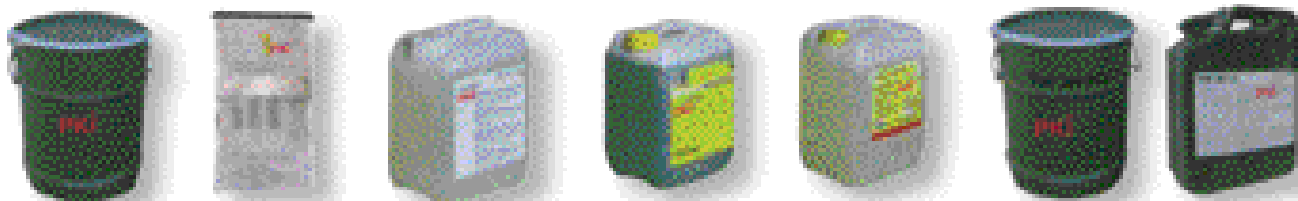
This universal environmental protection system has been designed for fire fighting brigades wearing heavy C-protection suits at the place of an accident. It allows to take all necessary actions to pass from high contaminated area to safe area. Contaminated dirty water and other materials can be collected for further treatment or disposal. This autarkic system provides immediate decontamination of highly toxic hazardous substances.

Specifications:

- Dimensions of container: 5,50 x 2,45 x 2,30 m
- Weight: 8 tons
- Decontamination of persons: 20 per hour
- Decontamination of chemical protective clothing: 8 per hour
- Decontamination of vehicles: 8 per hour
- Operation pressure: 30-140 bar
- Volume output: 300 - 900 l / hour
- Operating temperature: 30-150°C
- Heating power: 70 kW
- Power consumption: 16 kW, 230/400 V / 50 Hz


PKI 9020

Decontamination Agents



The following decontamination agents have been designed according to specific requirements of fire brigades, civil defence, relief organisations and military bases.

Decontamination agent **RDS 2000** is used against nuclear pollution.

BDS 2000 is effective in biological contaminated indoor areas.

GDS 2000 is employed against chemical warfare agents.

DI 60 is used for biological and chemical decontamination of stretch of roads.

RM 35 and **RM 735** are neutral disinfection

agents against bacteria, fungi and viruses.

RM 21 is developed for NBC-decontaminated people.

RM 54 ASF is used for decontamination of A-contaminated radioactive fallout.

Further decontamination agents will be offered on request.

PKI 9025

Shower Tent for Decontamination of Persons

This mobile inflatable shower tent is designed for decontamination of persons directly on-site. The double walled tent construction offers privacy and protection from cold temperatures outside. 2 Persons can take a shower at the same time. Outer tent and shower cubicle have a separate entry and exit. The tube frame is protected against over pressure by a safety valve. Installation is possible within 30 seconds.

Specifications:

- Weight: 45 kg
- Dimensions: 2 x 2 x 2,5 m
- Packed: 0,6 x 0,55 x 0,45 m
- Water consumption: 8 l/min.
- Decontamination capacity: 50 persons per hour
- Various: If higher capacities are required we can deliver shower tents for up to 240 people/hour.



PKI 9030

Hazardous Substance Combat Vehicle

Hazardous substances such as acids or chemicals which are set free at explosions or accidents have to be disposed of by trained personnel and suitable tools. The **PKI 9030** includes e.g. special diaphragm pumps of stainless steel, measuring devices, plastic containers, gas and acid protective clothing, light tower etc. These special devices are included in a fire truck and are part of standard equipment. Kindly let us have your specific enquiry, we will quote according to your requirements.

Specifications:

- On request



PKI 9035

Oil barrier

Unfortunately sometimes it happens that oil runs into a river, lake or ocean due to accidents or attacks. Our oil barriers have been designed to dam these oil spills. The barriers are floatable, seawater resistant and are made of aluminium and fibreglass. They follow the motion of the waves and can be enlarged individually by quick coupling. This prevents the oil spill from expanding and the oil can easily be pumped off.

Specifications:

- Length; 2,46 m per unit
- Weight: 4 kg/m
- Colour: red and orange
- Diameter: 20 cm
- Various: Correct positioning can easily be achieved by belts and loops.



PKI 9040

Lifting Bag

These lifting bags are available in different sizes from 11 to 67 ton lifting weight. The **PKI 9040** is designed for lifting extremely heavy devices, for rescue of buried people or enlargement of wall holes where other presses fail due to lack of space. A steel reinforced plastic bag is filled with 8 bar air pressure, which extends the bag and lifts up the device. Of course, more than 1 lifting bag can be used simultaneously.

Specifications:

- Lifting weight: 11 to 67 tons
- Pressure: up to 8 bar
- Weight: 4,3 - 33,3 kg according to size

**PKI 9045**

Life Raft

When **PKI 9045** is launched into the water the hose cells are automatically filled with air within only 60 seconds. Once inflated, the life raft can accommodate up to 10 people. Life jackets, distress signs, first aid kits, food - all these things are stored inside the life raft. The upper tent can be closed and is waterproof, so that no water can come inside. This life raft is the perfect equipment to save lives!

Specifications:

- Weight: approx. 52 kg
- Dimensions (folded): 181 x 158 x 87 cm

**PKI 9055**

Drinking Water Container

There are not only terror attacks, but also earthquakes, wars, droughts etc. where drinking water is needed. In all these cases the most important thing is to provide the people with water. The **PKI 9055** drinking water container is the perfect solution. The container with built-in water tank can be used anywhere and can easily be transported by plane, ship, truck or train. Furthermore it is comfortably stackable and is approved for civil and military operation.

Specifications:

- Dimensions: 20" container or according to customer's request



- Approval: BAM, US DOT, DOT (UK) TC, SELO
- Power pack: chlorination, UV, double-pressure pump and heating/cooling systems
- Material: stainless steel
- Capacity: 1000 - 18.000 litre, according to size
- Operating temperature: -45° to +80°C

PKI 9060

Foldable Drinking Water Tank

With the **PKI 9060** drinking water tank the supply with drinking water is not a problem any more, even far away from sources. It is indispensable, especially in cases of emergency. When empty this foldable drinking water tank can easily be transported.

Specifications:

- Dimension folded: 0,6 x 0,6 x 0,8 m
- Weight: 11 kg



- Dimension unfolded: 2,9 x 2,43 x 0,8 m
- Capacity: 3000 litre
- Material: top-quality
- Outlet: 3 way manifold

PKI 9065

Anti-Riot Water Cannon Vehicle

Deployment of water cannon vehicles to break up non-permitted demonstrations or against radicals is still essential for the police. At least this measure avoids that people are injured or even killed during those conflicts. The windows as well as front and back lights of the PKI water cannon vehicle are protected with steel bars against stone's throw. Door grips are designed in a way that there is no possibility to cling to them. By means of a covered loudspeaker of 75W power clear announcement can be made. The driver's cabin offers space for 6 persons. Windows are made of bullet-proof glass. The tank has a capacity of 9.000 litres and the water gun shoots over a distance of max. 65 m 15 bar pressure.

Specifications:

- Chassis: Mercedes Benz or other manufacturer
 - Total weight: approx. 20 tons
 - Colour: green or others
 - Pump capacity: 2.200 litres per minute
 - Water gun: 2 units, 360° horizontal pan, 90° vertical pan
 - Various: we can offer different sizes
- All control devices for pressure, temperature, power are installed.



PKI 9070

Rescue Bridge

This portable rescue bridge can be erected over ditches or small waters within short time. The polyester construction in combination with wooden reinforcement provides a weight-bearing capacity of 200 kg/m². The PKI 9070 rescue bridge is the perfect equipment to save people in dangerous situations. Only 4 people are necessary to transport this inflatable bridge to the next emergency case.

Specifications:

- Material: PVC, UV-resistant
- Operating temperature: -30°C to +80°C
- Pressure: 1,2 ar
- Compression: 9 l capacity
- End pieces: out of butyl rubber
- Weight-bearing capacity: 200 kg/m²



PKI 9075

Non Magnetic Tool Kit 36 Pieces

- 1 Tweezers
- 1 Double end scribe
- 2 Knives
- 1 Scissors
- 1 Hacksaw
- 1 Blade for hacksaw
- 1 Wire brush
- 5 Screwdrivers flat
- 3 Screwdrivers offset
- 4 Screwdrivers crosspoint
- 7 Pliers (cutting, flat nose, round nose)
- 2 Adjustable wrench
- 1 Adjustable pipe wrench
- 1 Hammer ball point
- 1 Hammer sledge German type
- 2 Chisel flat
- 2 Bars lever
- 1 Transportation case



PKI 9080

Non-Magnetic Tool Kit 84 pieces

A comprehensive non-magnetic tool kit especially for use at EOD operations. All tools are manufactured in beryllium copper alloy and are hardened for durability. The kit comes in two foam lined protective carrying bags, also fully certified as non-magnetic. Replacement tools can be supplied separately.



Specifications:

Non-magnetic tool kit 84 pieces comprises:

- Tweezers, 200 mm O/A
- Knife, 80 mm blade, 210 mm O/A
- Hacksaw, blade length 300 mm
- Scraper, 25 mm blade width, stiff, 250 mm O/A
- Screwdriver, flat, 2mm blade width, 150 mm O/A
- Screwdriver, flat, 6mm blade width, 240 mm O/A
- Screwdriver, flat, 9 mm blade width, 380 mm O/A
- Screwdriver flat offset, 7mm blade width, 120 mm O/A
- Screwdriver, crosspoint, Philips No. 1, 150 mm O/A
- Screwdriver, crosspoint, Philips No. 3, 260 mm O/A
- Pliers, cutters/grips combination, 205 mm O/A
- Pliers, cutters/grips, long point nose, 165 mm O/A
- Cutters, side, 120 mm O/A
- Pliers, flat jaw, point nose, 130 mm O/A
- Scanner, adjustable, 28 mm max. 255 mm O/A
- Spanners, hexagonal, 10 pc imperial set, size across flats: 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2 inch
- Hammer, ball pein, 680 g, 355 mm O/A
- Chisel, flat, 15 mm cutting edge, 165 mm O/A
- Bar, lever, spike & cranked chisel ends, 445 mm O/A bar, lever, cranked fork & wedge ends, 260 mm O/A
- 1/2 inch square drive socket set, 29 pcs consisting of: ratchet, sliding T bar, 100 mm extension, 200mm extension, ball joint, AF sockets, sizes: 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30 1 mm imperial sockets sizes: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8
- probe, straight and right angle, 150 mm O/A
- scissors, 150 mm O/A
- blade, 300 mm to fit hacksaw
- wire brush, 305 mm O/A
- screwdriver, flat, 4 mm blade width, 170 mm O/A
- screwdriver, flat, 8 mm blade width, 295 mm O/A
- screwdriver, flat, offset, 6 mm blade width, 75 mm O/A
- screwdriver, flat, offset, 10 mm blade width 195 mm O/A
- screwdriver, crosspoint, Philips No. 2, 225 mm O/A
- screwdriver, crosspoint, Philips No. 3, 260 mm O/A
- pliers, flat jaw, flat nose, 135 mm O/A
- cutters, side, 150 mm O/A
- Pliers, flat jaw, flat nose, 135 mm , O/A
- spanner, adjustable, 19 mm max. 160 mm O/A
- spanners, hexagonal, 10 pc metric set, size across flats: 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 10 mm
- wrench, pipe, adjustable, 38 mm max. 355mm O/A
- hammer, club, 910 g, 255 mm O/A
- chisel, flat, 22 mm cutting edge, 230 mm O/A

PKI 9095

Water Jet Disrupter

This newly designed disrupter works with water jet instead of power cartridges. It is a light recoilless equipment used for disruption of Improvised Explosive Devices with a high probability of avoiding detonation or explosion. The device is especially designed for EOD and IED persons. It also can be utilized to perform different EOD work to break items with different kind of projectiles. The disrupter comprises a specially designed liquid container. A high pressure nozzle is available to generate a very high velocity jet of cool liquid in case of handling with high duty IED. Various changes can be made according to the requirements of the user. The provided laser light allows to accurate aiming. The tripod with ratchet wheel stop mechanism guarantees that the disrupter will not move backwards or tumble when shooting. The specially designed legs can be adjusted to correct working position and angle. Five different bullets are available: water, spading, organic glass, punching and distance bullet.



Specifications:

- Weight: 19 kg
 - Fittings case: 10,5 kg
 - External case: 13,5 kg
 - Total weight: 43 kg
 - Bullet type:
- | | water | spading | organic glass | punching | distance |
|-----------------------------|-------|---------|---------------|----------|----------|
| With water in Barrel or not | yes | yes | yes | no | no |
| Effectual shooting | | | | | |
| Distance/meter | 0-1,5 | 0-1 | 0-2,5 | 0-1 | 0-10 |

PKI 9100

Disguised Metal Detector

Either for participants at specific meetings or during general check-up tasks at entrances, where people have to be examined, without their knowledge, the **PKI 9100** Disguised Metal Detector is an especially designed equipment for detection of both metallic and non-metallic objects. Because of its hand-free application the operator - at one and the same time - can examine a person physically and investigate, automatically and electronically, for the presence of metallic objects. Its silent vibrating alarm allows fully covert operation and is able to discriminate between large and small metal objects. The **PKI 9100** comes in one universal size, which fits both the left and right forearm, fixed by a velcrostrip, and can be hidden under every normal clothing like shirt or jacket. It is

simple to use as the user just approaches his arm inconspicuously towards the suspect person. If this person carries a weapon or any other metallic object, the vibrator will give its silent alarm.

Specifications:

- Weight approx. 200 g
- Operating time approx. 80 hours with standard 9 V battery
- Ideal for body searches
- Combines physical and electronic investigations
- Silent vibrating alarm
- Standard 9 V battery
- Fully automatic
- 100 % finger dexterity



PKI 9105

Hydraulic Jamb Spreader

In several cases, doors have to be opened by force in a silent and quick manner because criminal acts like drug dealing, hostages or terrorism have to be intercepted and rooms have to be entered to arrest the expected perpetrators. The **PKI 9105** is designed for Police and Military Special Assault Teams and other government departments especially trained for such tasks. This device is using a quiet hydraulic pressure technique to spread door jambs and release latch bolts. The non-slip clutch allows the telescopic bar to hand-fit into the door opening. The operator then uses the hand pump, which quickly extends the piston and exerts 3 tons of force - enough power to open or break most types of single doors. The system virtually works noiseless, is fast and instantly adjustable.

Specifications:

- Max. Power: 3 tons
- Weight: approx. 7.7 kg
- Carrying bag black: CORDURA with dual handles plus shoulder strap
- Size of carrying bag: approx. 66 x 116 cm
- Colour: tactical black finish



PKI 9110

Series of Door Rams

In combination with our **PKI 9105** Hydraulic Jamb Spreader, the **PKI 9110** as a series of door rams with different sizes and weights offers a perfect combination with our full range of tools to open doors by force. Every police-, military-, anti-drug and special operational task force team should be equipped with this product as it is the one and only device that is capable to give immediate entrance into rooms where scenes of crime are suspected. It really could not be easier to use and no setting up time is required. Originally the **PKI 9110** have been developed for US Police Swat teams, but now are more and more used by police and Military Special Forces worldwide. Simply get in position in front of the door, swing the ram back to gain momentum and swing it forward to smash the toughest door. Three different versions are available - each one being electrically non-conductive, shock-absorbent, compact and this at a very reasonable price.

Specifications:

- Different versions are available but each department should have the full range of rams in order to be prepared for every different application. Therefore we offer the complete range as a set consisting of:
- PKI 9110/A** - This ram is designed for one-man operation with a length of 76 cm and a weight of 16 kg. It only requires 50 to 60 cm of backswing, making it ideal for use in close quarters.
 - PKI 9110/B** - This ram is a heavier version, 25 cm longer and 7 kg heavier than the above ram and

- can be used by either one or two persons simultaneously.
- PKI 9110/C** - This ram is the smallest and most cost-effective door-ram yet designed. It is ideal for very confined spaces. It is made of specially modified steel shot and is only 41 cm in length, but has the same weight (16 kg) as the **PKI 9110/A**, and provides the same kinetic energy. We recommend the complete set of **PKI 9110/A-C**, however, each ram of course can be ordered separately as well.



PKI 9115

Underwater Metal Detector

The **PKI 9115** is a versatile under water detection system being consequently the further development of our former land & underwater metal detectors. Improved detection performance and a wide auto-adaptation to interfering metal components characterise the new **PKI 9115**. The full unit, and especially the electronic design, is based on our thousandfold proven technology being in service with many government departments worldwide. **PKI 9115** is tested for water pressure up to 10 bars and is very comfortable to handle for the diver. It is operated by only one adjuster. **PKI 9115** can detect minimum amount of mine shallows being buried - such as A/P 72 A - at operational depth. Larger undefined objects can be located up to a depth of 1.5 m. For even larger depths, a further sensor is available.

PKI 9115 applies a dynamic mode pulse induction concept. Short bipolar magnetic pulses generate detection signals from ferrous or non-ferrous metals and alloys. Target acquisition is indicated as visual or audible alarm. A silent mode (visual LED only) improves operator's safety on "smart" munitions with acoustic sensors. When used with a larger search head of 80 x 80 cm (optionally available), the detection range is significantly extended and larger objects - such as 105 mm shells, bombs, torpedoes etc. - may be detected at 2 m depth or more. The detector operates on a dynamic search mode, which compensates interference from metal diving equipment. If required, the detector can be operated in a "silent mode" without headset. In such case the red LED will indicate target



acquisition. To operate the **PKI 9115** switch the rotary sensitivity calibrator into position I (low), II or III (high). Sensitivity can be changed stepless within ranges I-III by an internal adjuster inside the electronics cylinder.

Optional accessories - available on request:

- probe 32 x 370 mm
- oval search head 300 x 170 mm
- foldable large loop 800 x 800 mm
- extension rod 36 x 600 mm

Specifications:

- Battery: 1 x dry battery 9 V U9VL or U 9 VL (Lithium)

- Operation time: approx. 3 hours with dry battery, approx. 10 hours with Lithium cell
- Temperature range: approx. -20 to +60°C
- Pressure test: 10 bar (approx. 90 m)
- Dimensions, approx.
 - oval search head - 300 x 170 mm
 - square search head - 260 x 260 mm
 - electronics cylinder - 40 x 535 mm
 - large loop - 800 x 800 mm
 - extension rod (PVC) - 36 x 600 mm
 - extension rod (GRP) - 25 x 600 mm
 - short version - 800 mm
 - long version - 1400 mm
 - max. length - 2000 mm

PKI 9120

Mine Detector

The **PKI 9120** mine detector is designed for use on all grounds even on compact soils such as volcanic soil or laterit, which makes it suitable for use everywhere in the world. In many regions mine detectors can be influenced by a mixture of soils such as laterit, magnetic rock and by soil conductivity due to monsoon rain. The wide band compensation of this **PKI** mine detector meets such environmental working conditions and also rejects interference from saltwater due to its pulse induction operating principle. Components subject to wear and tear can easily be exchanged without further calibration work. This eases fault definition and significantly improves equipment availability in the field.

Rugged design and constructional features, coupled with various accessories make the **PKI** mine detector a very versatile equipment, which allows use in lying, kneeling or upright position.

Specifications:

- Power supply: 8 alkaline batteries 1,5 V type LR 14 (operating time 40 h) or 8 rech. batteries NiMH 1,2 V - 3,5 Ah (operating time 10 h) or battery pack 9,6 V - 3,8 Ah (operating time 10 h)



- Temperature range: from -21°C to + 55°C approx.
- Dimensions:
 - circular search head 230 mm diam.
 - optional search head 450 mm diam.
- Electronic cylinder: 35 x 460 mm
- Extension rod: 25 x 600 mm

- Battery container: 30 x 360 mm
- Lengths and weights:
 - Short version: approx. 1000 mm and 2,1 kg
 - Long version: approx. 1700 mm and 2,4 kg
- Complete in satchel: approx. 3,8 kg
- Complete in carrying case: approx. 8,5 kg

PKI 9125

Non Magnetic Probe

This non-magnetic device is designed for manual location of mines, buried at depths of up to 250 mm. The mine probe is lightweight, robust and easy to assemble.

It consists of three main components (handle, extension tube, probe) and can be assembled in two versions for kneeling and upright position.



PKI 9130

Multi-Plier Gerber

Made from 410 grade stainless steel with non-reflective black oxide coating, the **PKI** multi-plier gerber tool incorporates the following tools: explosive punch, blasting cap crimper, wire cutter, needle nose pliers, 3" drop point blade, 3" serrated sheepsfoot blade, saw blade, cross point screwdriver, large, medium and small flat blade screwdrivers, file, bottle opener and lanyard. Comes in a solid nylon sheath.



PKI 9135

Active Metal Detection System

This newly developed active metal detection system is primarily used for the detection of large metal objects such as underground deposits, barrels and bombs. The special features of the **PKI 9135** Active Metal Detection System consists in its selectivity regarding small metal objects buried close to the surface and - in comparison to active metal detectors - its excellent detection range on large objects (transmitter effect). For conventional operations, there is a galvanometer and an audio alarm integrated into the electronic box. Furthermore the system has an analogue data output and can therefore also be linked to an external data logger to allow data recording.



Specifications:

- Power supply: rechargeable NiMH battery 12V, 2 Ah
- Operating time: 4 hours approx.
- Sensitivity levels: 5
- Temperature range: -10° +40°C
- Dimensions: total 1500 x 420 x 210 mm
coils 420 x 280 mm
sensor spacing: 120 cm
- Weight: 3,1 kg approx.

PKI 9140

Large Loop

This technology enables low skilled personnel to locate air delivered ordnance buried at depth. The **PKI 9140** Large Loop applies the eddy current pulse induction principle. It detects all ferrous and non ferrous metals. The equipment consists in an electronics box, a battery container and a large loop diameter 2600 mm with search frame. A ring coil diameter 260 mm is available as an option. The modular frame can be assembled in several ways, which allows to obtain frames from different sizes (1x1 m, 1x2 m, 1,5x2,5m) according to the searched objects and depth. The ring coil (option), working with the same electronic system is used for pin-point location, after detection with the large loop. Detection signals are easy to interpret and no advanced training is required for operation. The unit is splash-proof and of sturdy design. The target



acquisition is indicated by audio alarm and on a galvanometer. The delay setting suppresses the indication of small metal fragments located at the surface in order to assure the detection of bigger objects in deeper grounds, such as bombs or big shells buried very deeply and to ignore surface clutters.

Specifications:

- Power supply: 8 dry batteries 1,5 V type LR14 or rechargeable batteries
- Operating time: 55 h in pos. low /25 h in pos. high (LR14)
- Dimensions: Electronics box: 270 x 90 x 70 mm
Battery pack: 290 x 105 x 50 mm
Search loop: 2550 mm diameter
- Weights: frame 2,5 kg
electronics box 0,9 kg
battery pack 1,1 kg
- Detection range (in air): mine T57 at approx. 1,6 m
bomb 250 kg at approx. 3,5 m

PKI 9145

Arm- and Leg Protectors

The **PKI 9145** arm- and leg protectors consists in body-shaped protective parts made of polypropylen and flame-resistant fabrics. The protectors can easily be adjusted individually, so that they are extremely comfortable and very quick to put on and to remove. An individual adjustment of ergonomically formed protector parts can be achieved by elastic cords with Velcro strips and fleece shutters.

Specifications:

- Arm protection: protectability 35 Nm, consisting of elbow and lower arm protector
- Material: aluminium alloy edged by breathable fabrics
- Leg protection: protectability 35 Nm, body-shaped knee protector fixed with special seam between tights and upper shin bone protector
- Material: special aluminium alloy, inlets with special stitching for optimal air ventilation


PKI 9150

Protective Shield

The **PKI 9150** Protective Shield is a must for any police and security task force.

PKI 9150 Protective Shield already has proved its efficiency in many actions against terroristic acts, riots and demonstrations. Due to the clear visibility of the polycarbonate material the wearer is protected against most common attacks in riot situations but still has a full survey about critical situations. A specially constructed supporting holder with leather-coated handgrip and swiveling armrest provides comfortable wearing either on the right or left arm. The curved shape of the highly resistant shield deflects any thrown objects and affords perfect and fullbody protection to the wearer. Each shield can be supplied with a specific and tailor-made label or Insignia as per customer's requirement.

Specifications:

- Material polycarbonate
- Dimensions approx. 90 x 60 cm
- Weight approx. 2.3 kg
- Armrest and handle leather-coated, swiveling for right-/left arm operation
- Label standard - „POLICE“ - others on request
- Options additional holders/supports for batons, torch-lamps, hand-cuffs etc. available on request
- Lightweight
- Transparent material
- Easy to handle
- Protection against thrown objects
- Labelling according to customer's needs


PKI 9155

Multifunctional Belt for Police

Security staff must have a possibility to wear tools for daily use like radio transmitter, pistol, handcuffs, baton, knife, mace and torch easily on the body. This multifunctional and solid belt meets all these requirements as it is equipped with loops and hooks of different sizes for all kinds of tools and equipment. On request we can deliver belts adapted to your personal specification.


PKI 9160

Entry Force Tool

This universal tool is a must for any task force. It is indispensable when quick and violent opening of doors and locks is required. Whether used as a hammer, axe, drift or crowbar this tool is a real universal miracle.

Specifications:

- Material: steel, reinforced
- Length: 90 cm
- Various: on request it can be delivered in 2 parts of 45 cm each screwable



PKI 9165

Emergency Set

Our protective outfit offers breathing and body protection against powdery, liquid or gaseous toxic agents, when put on properly and in time. In order to avoid handling errors, please carefully read the instruction manual. It complies with European regulation and is CE approved. For many years it has been used in chemical industry, fire brigades and others.

- 1 protective suit
- 1 protective mask
- 2 protective mask filters
- 1 pair protective gloves
- 1 pair overboots
- 1 bag
- 1 instruction manual



Specifications:

- Weight: 84,6 g/m²
- Resistance: 128,3 kPa
- Abrasion: 1500-2000 cycles
- Resistance against stabs: 16.7N
- Shelf life: min. 10 years
- Comes with:

PKI 9170

Gas Mask

The **PKI** Gas Mask and its straps are produced in black and yellow silicone. The screen provides a large vision angle and can be adjusted with anti-solvent or anti-scratch treatment on request. The system is shock- and solvent-resistant and equipped with two breathe out valves. One breathe-in valve and one phonic membrane allow easy communication. The specifically designed air circulation avoids steaming up of the screen. The **PKI 9170** Gas Mask is equipped with straps for rapid fastening. It can be used with assisted ventilation or with compressed air adduction. It must not be used in atmospheres where the concentration exceeds 0,5% or where the oxygen rate is less than 17%. Different cartridges are available upon request for example for dust, different types of gas or

combined gas/dust. The cartridges are equipped with caps in order to increase their lifetime, as they keep them sealed when not used. A case designed in a specific thermoplastic material increases the mask's lifetime, as it protects against dust, light, vapours of chemical agents and heat sources. This case can contain one mask and one cartridge of any type, not screwed.



PKI 9175

Hydraulics Door Opener

Special forces are perfectly trained in opening closed doors no matter whether they are barred, of metal or wood, thin or thick. Very fast entering of rooms can be crucial. A surprise attack must be effected within 20 seconds, otherwise the offenders are warned and could escape or make use of their weapons. The attack has to be effected without any noise. **PKI 9175** comprises various components i.e. hydraulics unit with 4 different hydraulics stamps. All items are properly packed in 2 portable cases. In order to use these tools professionally, a training time of 1 week is necessary, which is offered by **PKI** as well. Please refer to our training program.

Specifications:

- Dimensions: hydraulics unit 835x520x285 mm
- Weight: 33 kg
- Dimension: hydraulics stamp and accessories 1360x460x150 mm
- Weight: 43 kg



PKI 9180

Air Launcher

This air launcher can be fired from the shoulder or from a solid point on the ground. The titanium grapnel and its 3 mm diameter pilot line have a breaking strain of 180 kg. Horizontal distance is approx. 75 m, vertical range approx. 35 m. Repeated firings can be made from the rechargeable cylinder without ejecting any smoke, heat or flash. A 25 foot heavy-duty, flexible and wire-sided ladder can be supplied.

Specifications:

- Weight of launcher: 1 kg
- Overall length incl. grapnel: 70 cm

**PKI 9185**

Response Backpack

This extremely lightweight EOD response pack is a new backpack-mounted kit made to provide a two man search team with significant „real time“ capability at minimum weight and bulk.

All the search tools contained in the response backpack have undergone rigorous testing in hostile and demanding operations. The kit includes a new and innovative lightweight hook and line kit, an advanced metal detector and other search equipment, as well as an ultra-light Vulcan disruptor and a new fuse removal key.

**PKI 9190**

Swat Hood

The lightweight black-coloured swat hood is designed to protect police operators from heat and flash. It is made of breathable, moisture-resistant material and is fully washable. One size fits all.

**PKI 9195**

Kevlar Sleeves

These Kevlar Sleeves are designed to efficiently protect forearms of special operators from heat, flashes and cuts. PKI Kevlar Sleeves allow fully flexible arm movements and are manufactured out of double-knit black Kevlar.



PKI 9200

Protective Police Helmet

The **PKI 9200** Protective Police Helmet is specially designed, according to DIN ISO 9001-norm, for any police and anti-riot squads. By using high impact strength compound, colour white, with ventilation holes for the helmet-shell and crystal-clear polycarbonate of 4mm thickness for the visor, this helmet provides a maximum of protection, but still is lightweight and most comfortable for wearing even under tropical conditions. Each helmet comes with a 3-section leather neckprotection. The detachable innerlining, individually adjustable to headsizes, offers highest shock-damping and together with the 3-point chinstrap perfectly matches for optimised fit. Additionally **PKI 9200** can be supplied with specific governmental insignias of non-detachable, self-adhesive and multi-coloured labels according to buyer's requirements. Please contact us for further information.

Specifications:

- Material of shell high impact strength PA 6 compound
- Material of visor crystal clear polycarbonate, 4mm thick
- Inner lining special wearing-net with leather sweatband easily detachable without tools for size alignment.
- Available headsizes: small = size 53 - 58, large = size 57 - 62, - others on request -
- Total weight: approx. 1.85 kg
- Standard colour of shell: white - other colours on request -
- Lightweight
- Crystal clear visor
- Neck Protection
- Ventilation holes



PKI 9205

Road Blocking Barrier

The **PKI 9205** is a very rugged, portable barrier specifically developed for police and military personnel in order to stop vehicles instantly. Designed for the use by just one person it is an inexpensive tool which can be deployed in seconds at a road block. Alternatively it can be used semi-permanently to protect a target building. Any vehicle passing over the **PKI 9205**, no matter its speed, will have its tyres instantly deflated by the 50 mm spikes quickly, safely and effectively. The unit comes as a complete kit and consists of two separate sections, each of which can be extended up to 3 m and contains 45 spikes. **PKI 9205** is made of a mix of Nylon 66 and glass fibre making it flexible but yet firm. The stainless steel spikes with a length of 50 mm long and a diameter of 4 mm diameter will

penetrate through all types of tyres. When the spikes penetrate a tyre they break off from the base and therefore a sparekit comprising spare spikes, pliers and screwdriver is provided with each **PKI 9205**.

Specifications:

- Extended size max. 3 m
- Folded size 52 x 28 x 8 cm
- Weight 5 kg
- Number of spikes 45



PKI 9210

Barbed Tape Wire

Very often cheap and effective solutions are needed for protection of different institutions. The perfect solution for this is our special **PKI** Barbed Tape Wire. There are more than 100 different varieties of applications depending on requirements. Do you want to secure a wall, fence or scaffolding? Kindly let us know your problem, we will be pleased to present you our solution.

Specifications:

- Dimensions:
 - thickness 5 cm
 - diam. 450 - 980 mm
 - length: 7-16 m per coil
- Material: hot galvanized steel sheet AISI430 and AISI304
- Packing: water proof paper inside and plastic weaving bag outside
- Device for detachment: upon request



PKI 9215

EOD Tripod

The essential function of this robust and portable tripod is to lift heavy objects of up to 2.260 kg during EOD operations (including IEDD). The two-section telescopic legs can be locked at a range of heights enabling it to be used in areas of restricted height or on sloping ground. The head is fitted with leg stops in order to prevent the tripod from collapsing under load, as well as eyes and a karabiner for attaching lifting tackle and for tying objects down. The self-adjusting feet may be pegged to the ground for extra stability. The tripod is a high strength aluminium construction and is supplied with a set of anchor pegs in a durable nylon transport case.

Specifications:

- Weight: 22 kg
- Load capacity with feet anchored: up to 2.260 kg
- Overall length: (folded) 1.620 mm
- Max. working height: 2.740 mm (under the suspension eye)


PKI 9220

Contraband Detector

This item can positively detect drugs, explosives, weapons, currency and much more. Its typical application field is the inspection of tires, car doors, fuel tanks, wall and lined containers, aircraft, trucks, caravans, bus, trains etc. Identical packages, flower shipments, boats and ships, freight container.

Principle of Operation:

PKI Contraband Detector measures the mass density of the inspected objects and indicates the difference in density between illegally hidden goods (drugs, explosives, weapons, currency, etc.) and the object in which the contraband is hidden. For example, an "empty" tire filled with air and a tire filled with drugs give different results or an "empty" cross member in a freight container stuffed with contraband indicates a



different density than a full one. It also detects radioactive materials. The **PKI** Contraband Detector directs a beam of energy into the inspected object. A filled space reflects back more energy than an empty space. As **PKI**

Contraband Detector is moved across the surface of the object, the measurement is displayed on a digital LCD and an alarm is given if the density changes or radioactive material is encountered.

PKI 9225

Vehicle Protection against AP Mines

This lightweight system has been developed for protection of vehicles against anti-personnel mines during humanitarian missions. In this new system following criteria have been given highest priority:

- High degree of protection - V 50 > 600 m/s for 1,1 g
- Low weight
- Quick and easy mounting
- No modification of the vehicle

Before mounting the system it is necessary to remove the seats, door panels and bottom mats from the car. Afterwards the ballistic mats are being glued to the bottom of the vehicle. The individual mats must overlap each other in order to secure maximum protection. After proper mounting of the ballistic mats, the original components of the car can be reinstalled. The **PKI** Vehicle Protections system can be supplied as a kit ready for mounting.


Specifications:

- Protection level: V50 >600 m/s for 1.1 gram FSP
- Material: aramid fibres woven and stitched together to flexible mats

- Surface: PFC foil
- Weight: 8,2 kg/sqm
- Total weight: approx.60 kg, depending on the model
- Interior: no modifications

PKI 9230

Rapid Armor Shelter System

This lightweight fortification wall system is ideal for fast moving troops. Fortification walls can be built and dismantled in a few minutes allowing troops to be protected even during short stops or operations. Panels protect men or property mainly from fragments, protection level of V 50 >600 m/s. For bullet protection a double panel system can be used.

All components are capable of withstanding UV-radiation, fuel and oil spatters as well as temperatures between -40°C and +60°C. The panels are fully moisture resistant. This innovative ballistic multipurpose protection system is easy to adapt for various military, police and peace keeping applications. It can also be used for civilian protection, e.g. protection of window and door openings.



Specifications:

- Material: Fibreglass and phenolic resin
- Protection area:
square 0,90 m², triangle 0,39 m²
- Thickness: about 9,5 mm

- Areal Weight: under 19 kg/m²
- Splinter protection:
V50-value (1,1 g ESP) >600 m/s
- Explosion test: endures 0,5 bar overpressure, pressure influencing time 0,01 sec.

PKI 9235

Armour Protected Vehicles

We offer various armour protected vehicles for military, paramilitary, police and bomb disposal. Please let us have your enquiry, we will offer you the appropriate vehicle specifically designed according to your requirements.

General Design:

The hull is a fully welded body unit complete with seats for up to fourteen persons including the driver. It is fabricated from lightweight high hardness steel armour and is bolted to the chassis. Windscreen and front windows are of laminated armoured glass with anti-splinter screens out of polycarbonate. The vehicle gives protection to the engine compartment and incorporates gun ports complete with vision blocks on each side, as well as at the rear. The doors of the driver, co-driver and rear crew are provided with internally operated shoot bolts. Special attention has been given to the design of door/door apertures to ensure full protection. The armour door overlap incorporates a double seal unit and a spall return strip to protect against petrol ingress and spall fragments.



Specifications:

- Armour: The steel armour provides ballistic immunity at 25 metres and an attack angle of 90° from ball 7,62 ammunition fired from high velocity rifles and machine guns as well as all threats lesser than that. The armoured glass/polycarbonate construction used for the windscreen and front windows is of a corresponding ballistic resistance. Additional protection for the windscreen and front windows

is provided by armoured visors with incorporated vision slits which are actuated from inside the vehicle. The floor armour protects against mine fragments and grenades and, being an integral part of the monocoque hull, possesses good blast deflection characteristics. The doors are constructed of the same material as the hull and all transparent armour is glazed into armoured steel frames.

PKI 9240

Bulletproof Vest for Army

This bulletproof vest is designed for army operation. It not only protects the soldier's breast but also neck and shoulders. Additionally ceramic plates are inserted due to which this vest reaches protection class IV. Despite this high classification PKI 9240 weights not more than 3.5 kg in IIIA, which allows high bearing comfort during longer operations.

Specifications:

- Threat level and weight:
NIJ IIA = 2,5 kg, II = 3,0 kg, IIIA = 3,5 kg
- Colors: black, woodland and desert camouflage
- Special: waterproof and anti-fire carrier
- Size: S, M, L, XL



PKI 9245

Knife-Slash Protective Vest

This protection vest against knife-slash attacks is a multi-layer production. The exterior layer consists in solid and rough nylon fabrics and the interior is a fine structured nylon material with good sliding qualities, which reduces friction on clothes that the person wears under this vest. Flexible 1.8 mm thick plastic plates serve as basic protection. The vest as well as the plates offers protection of the lateral parts of the body as well. The most vulnerable area of the body (middle of the thorax and the back) is protected by a 1 mm thick aluminium plate of 23 x 23 cm. All four protection plate pockets are equipped with a tuck-in and Velcro strip to avoid

unintended loss of the plates. Due to the light weight of only 1.5 kg and the flexible fixation of the protection plates the **PKI 9245** is very comfortable and as such is the ideal protection equipment for long-time operations.

Specifications:

- Material: nylon, plastics, aluminium
- Sizes: S / M / L / XL
- Weight: 1.5 kg


PKI 9250

Protective Vests

The range of the **PKI 9250** Protective Vests offers an unlimited variety of personal protection to any member of Police-, Military- and Special-Squad-Forces. The style and specification of these vests has been widely adopted throughout the world. Because of the superior design, these vests can be worn for extended periods of time. Each vest individually is constructed in different sizes and weights as a highly cost-effective garment which provides optimum protection against knife-slash attacks and hits from fragments and bullets. Depending on required protection the **PKI 9250** Protective Vests are manufactured according to international standards (NIJ threat levels 2, 3, 3A and 4). Each vest can be up-armoured with the use of ceramic plates to give protection even against armour-piercing rounds. Ballistic collars and groin protectors are available on request.

Specifications:

- Threat level: NIJ 2, 3, 3A, 4 in buyer's option
 - Size: S, M, L, XL in buyer's option
 - Colour: white, blue, olive-green
 - Weight: from approx. 1.2 kg to 3.0 kg depending on type plus 1.0 - 3.4 kg for ceramic plates if required.
- For further detailed specifications please ask for separate leaflets indicating required threat level, size, colour and type (covert for discrete use, assault jacket etc. plus ceramic plates if necessary).
- Various models available from fragmentation to level IV protection.
 - Protection - proved according to international standards.
 - Available from concealed underwear up to fully protective jackets.
 - Lightweight and comfortable to wear


PKI 9255

Immediate Response Jacket

The **PKI 9255** Immediate Response Jacket provides the wearer with a stylishly designed, lightweight and easily concealable vest for having every necessary equipment right at hand whenever these are needed. Whether teargas bottles, handcuffs, electric shock units, communication devices etc. - being necessary for undercover police agents - or transceivers, bodyworn receivers, concealed monitoring devices etc. - for the discrete observations with special agents from any governmental organisation - this vest offers a maximum versatility for placing such kinds of material and equipment in the various pouches, holsters and slings being incorporated. The vest with its beige, skin-colour occurrence is the perfect carrying device for camouflaged and comfortable wearing of what you need during your mission.

Specifications:

- Material robust, washable fabric
 - Size S, M, L, XL – in buyer's option
 - Colour beige
 - Weight 200 g
- Lightweight
 - Robust, washable fabric
 - Various pouches, holsters and slings for every purpose



PKI 9260

Bomb Blast Suppression Curtains

The bomb suppression curtains are designed to prevent from flying fragments of glass and other secondary materials generated as a result at bomb blasts.

The curtains are easy to install and are available in various sizes and thickness of material in order to offer protection against a wide range of threat levels.

PKI 9260 bomb suppression curtains are inconspicuous and lightweight, various adjustable styles are available. Heavy duty, permanently fixed curtains can also be provided.



Specifications:

- The curtains can be custom designed according to individual requirements.

PKI 9265

Armored Vehicle

Armored vehicles are used for VIP-persons for protection against terrorist attacks. An efficient protection is not limited to the vehicle body, but also includes the windows, wheels, fuel tank, communication systems and jammers. **PKI** is prepared to offer these special vehicles, new or second-hand, which are not recognizable as such from outside. On order of a new car individual requirements can be taken into account.



Specifications:

- Car type: every bigger car
 - Fuel tank: ex-proofed
 - Windows: bulletproof, 45 mm thick glass
 - Tyres: reinforced with synthetic core
 - Jammer: full frequency range for prevention of remote ignition of explosives
- For communication "open windows" can be programmed individually.

PKI 9270

Equipment against Mines

Our **PKI 9270** should belong to the basic equipment of all military and civil forces in current or former battlespaces. All tools are placed in a handy belt bag to be at hand immediately and at any time. The trip wire detector is made of carbon and extremely lightweight. This allows detection of very sensitive wire traps. Also part of the set is a telescopic mine search needle, the single parts of which are placed inside its ergonomically formed hand grip. **PKI 9270** comes with hand guard. A torch and extendible mirror complete this set, which are of usefull assistance at numerous occasions.



Specifications:

- Belt bag: black
- Mine search needle: with predetermined breaking point

PKI 9275

Bomb Trailer System

The bomb trailer system was developed to enable inexperienced operators to remove a suspect explosive device to a safe location where it can be examined or destroyed in safety. This system consists in a specially designed bomb container mounted on a four-wheeled trailer which can easily be towed. The container is made of two layers of high-strength, high-impact 40 mm ballistic steel. Due to its special design the unit is able to transport an IED containing up to 4 kg of TNT. The suspect object is picked up by means of a hand-portable telescopic manipulator that is included in the system.

Specifications:

- Trailer size: 367 x 190 cm
- Dimensions of the container, outside: 100 x 100 cm
- Dimensions of the container, inside: 100 x 64 cm
- Weight: 90 kg


PKI 9280
PKI 9285

Bomb Fragment Protection Cover, Letter Bomb Bag

This **PKI** fragment protection cover is a very efficient first-action unit to protect from suspected explosives, that might be contained in suspicious items of mail, luggage etc. It consists of several Kevlar-layers and is specially reinforced in the centre in order to prevent from potential injuries in case of detonation. The bomb fragment protection cover is equipped with loops allowing the use of hook and line set or remote manipulator in order to place or lift up the cover.

Specifications:

- Dimensions: 2,2 x 2,2 m
- Weight: 12 kg
- Specially reinforced surface 0,4 x 0,4 m
- Miscellaneous: Also part of our product range is the **PKI 9285** letter bomb bag, that is based

on the same principle. It is suitable for a maximum letter size of DIN A4 and measures 1 x 0,8 m (unfolded) and 0,4 x 0,3 m (folded) at a weight of 3,3 kg


PKI 9290

Explosives Identification Set

With this set it is possible to identify all known and improvised explosive compounds. An instantaneous colour change indicates the type of explosives, even Semtex H. No special training is necessary. The set can be used indoor and outdoor independently from the climatic conditions. Even smallest quantities like 20 nanogram explosives can be identified. The complete set is supplied in a hardcover case of 1,4 kg weight.

Technical background:

The **PKI** Explosives Identification Set is our newest detection and identification system for explosives. It detects a maximum of different types of explosives due to its capability to identify also improvised explosive compounds namely explosives based on chlorite and peroxide. These explosives based on peroxide are very strong substances which can be produced with chemical substances that are openly sold. Presently terrorists often use this

sort of explosives, that is commonly known as TATP (Tri Acetone Tri Peroxide).

PKI Explosives Identification Set covers detection of:

Group A : (aromatic nitrogen) This range comprises TBT, Tetryl, TNB, DNT, picrin acid and its salts

Group B: (nitratester and nitratamine) This range comprises dynamite, nitro glycerin, RDX, C4, PETN, Semtex H, nitro cellulose and non-fuming powder. Remark: Most plastic explosives belong to this group.

Group C: anorganic nitrate (nitric acid). Explosives based on nitrate, such as ANFO (Ammonium Nitrate fuel oil), commercial and improvised explosives, which are based on anorganic nitrate, black powder, radiance powder, potassium nitrate and ammonium nitrate. Choride and bromate comprising explosives based on potassium chloride and sodium chloride. Explosives based on peroxide comprising TATP (Tri Acetone tri Peroxide) and HMTD.



PKI 9295

Operation Overall

Excellent quality, resistivity and a modern design are the main characteristics of the **PKI** Operation Overall. It is flame-retardant, wind-proof, moisture protected and breathable. Furthermore, we offer additional protection against knife-slashes by means of an inlay for the abdomen.

Specifications:

- Material: NOMEX by DuPont
- Shoulder: abrasion-proof, water-proof CORDURA by Du Pont
- Collar: equipped with cut-restraint at shoulder, chest and back
- Rescue loop: on the back
- Superimposed pockets: for radio device etc. further pockets on the upper arm, chest, waist, buttock, thigh and lower leg
- Fleece areas: for tactical labelling on the upper arm and the back
- Waist belt: width regulation by cord through reinforced belt loops of 5 cm width
- Zip: manageable with gloves, water-retardant



PKI 9300

Protective Suits

The choice of the adequate protective clothing is determined by the different characteristics of hazardous agents and the operating conditions. Protection of these clothes is provided by styling, special fabrics, their resistance against contaminations and/or heat or coldness. **PKI** offers protective suits for numerous requirements such as chemical resistance, heat protection, underwear overalls against coldness and much more. Please let us know your requirements enabling us to issue a specifically designed offer for you.

Specifications:

- One-way protective suit: protection class II, overall with hood, double zipper cover
- Protection: against anorganic acids and caustic solutions and a large variety of organic chemicals
- One-piece protective suit: polyamid fabrics, one side PVC coated
- Operation: for salvage crews, can be used with compressed air breather or complete mask
- Two-piece protective suit: comprises jacket and overall, to be worn over normal clothing
- Protection: against liquids which are self-inflammable. This clothing is meant for self-rescue and not for active fire rescue



PKI 9310

Breathing Mask

This breathing mask offers nearly 100% of natural field of vision. The voice transmission is outstanding due to the ideally positioned speech membrane and the special sound conduct. The connecting piece comes with inhalation and exhalation valves. Speech membrane and thread connection are fixed by adjustable straps to the face mask. Impacts are diverted by the specific construction of mask.

Specifications:

- Material: neoprene of mainly non-aging and skin-friendly mixture
- Classification: EN 136-3
- Weight: 0,68 kg
- Note: normal pressure mask, round thread according to EN 148-1, suitable for safety helmet **PKI 9315**


PKI 9315

Safety Helmet for Fire Brigade

Numerous outstanding details make this helmet one of the best worldwide. Not only the integrated lamp but also the unmatched GFK-fabrics provide highest stability and resistance to impact even at extreme temperatures. Wearer of glasses appreciate the large face piece. The neck protection is made of heat and flame resistant material. Size adjusting can be done from outside and even with fire-fighting gloves.

Specifications:

- Classification: according to EN 443 and pr EN
- Interior: comfortable padding
- Chin strap: trapezoid for ideal fitting
- Ear protection: integrated in padding
- Colours: grey, white, blue, red, green, silver or green shining

- Note: voice radio can be built-in
- Helmet lamp: LED technology
100.000 hours life time
very high illumination
battery 3x AA
can be removed and used as hand lamp (possible with fire-fighting gloves)


PKI 9320

Breathing Device with Compressed Air

Without this unit it is impossible to enter a burning building. The compressed air tank is attached to a body-comfortable strap-on device made of light carbon fibre. The straps can be twisted and is flexibly connected with the carrying tray. Lateral adjustment can be done via special straps. The shoulder straps are easily adjustable for various body sizes and are secured against unintended twisting. The compressed air hose is conducted over the shoulder.

Specifications:

- Weight: 4.9 kg
- Filling junction: for 300 bar
- Approval: EN 137 and vfdh 0802
- Belts and straps: flame-resistant
- Air supply: >1000 l/min, sufficient for 2 persons
- Compressed air hose: with security plug-and-socket clutch

- Manometer: after glowing display
- Various: indicating remaining usage time
automatic alert immobility
manual emergency alert
temperature display at the push of a button
data recording
c-data can be transferred on PC via IR interface



PKI 9325

Heat Protective Suit

This suit offers protection against flames and intensive heat and has been designed for longer operations. It enables the fire fighter to cope with special high risk operations and rescue actions which require additional use of respirator as well as head-, hand- and foot protection. The sight glass is made of laminated safety glass, curved, gold steamed, 100 x 220 mm large.

Specifications:

- Material: special fabrics made of glass fibre, flame-retardant cotton lining
- Hood: suitable for fire brigade helmets and breathing masks
- Gloves: back of hand skulpo cloth, Kevlar/glass palm heat-resistant chrome split leather
- Boots: Kevlar/Glass 660g/m²
- Bag: 600 x 350 x 300 mm
- Weight: 8,8 kg
- Note: easy dressing due to front, back and leg zipper, also with respirator



PKI 9330

Medical Kit / First Aid Box

The medical kit for injuries by fire is made of ABS plastics and comes with a wall retainer. The bandaging material is suitable for first aid. Its aluminium evaporation avoids adhesion to the wound. The first aid box is equipped with a carrying handle for mobile use. The kit comprises all necessary tools for first aid of up to 5 persons according to NORM Z1020.

Specifications:

- Dimensions: 400 x 300 x 150 mm
- Colour: signal orange
- Content medical kit: compresses, bandage tissue, special bandages for face, head, hand, arm and leg, cooling pad, sterile water, infusion set, injection set, scissors, rescue blankets
- Content first aid box: first-class bandages, compresses, bandage tissue, gauze bandage, adhesive plaster, splinter tweezers, scissors, tourniquet,
- Note: The medical kit can also be adapted to individual requirements



PKI 9335

Quick Operation Tent

This inflatable tent can be used in any occasion where quick action is required such as accidents, first aid, necessary decontamination with a shower or as headquarter. The load-bearing, air-filled construction consists of both-side coated NBR fabrics. The tent comes complete with 4 windows, removable floor and additional ballast tanks for better stability on sealed surfaces.

Specifications:

- Dimensions: 5 x 4,4 x 2,8 m
- Floor space: 20 m²

- Size packed: 1,4 x 0,75 x 0,7 m
- Operating pressure: 0,25 bar
- Volume hose frame: approx. 1.650 l
- Filling sockets: 3 pieces
- Overpressure valves: 2 pieces diagonally arranged
- Weight (with packing blanket): approx. 90 kg
- Air filling: PA bottle 6 l/300 bar or foot-operated air pump or fan 0,25 bar, 7,8 kg, 230 V/50 HZ, 1,1 kW
- Note: tent heating, partitions, tent lighting, additional blankets on request



PKI 9345

Megaphone of the Latest Generation

There are different types of megaphones. The **PKI 9345** megaphone is so remarkable, as it offers a recording function i.e. the message which is to be transmitted can be stored beforehand. Common direct announcements, of course, are also possible. Its small dimensions and light weight are ideal for everywhere use, especially due to comfortable handle grip and bearing loop. Furthermore it can be used either with standard or rechargeable batteries.

Specifications:

- Dimensions: 250 x 146 x 210 mm
- Weight: 595 g

- Output power: 6 W
- Middle sound pressure: (1W/1m): 92 dB
- Power supply: 6 x 1,5 V type AA batteries
- Housing: plastic, splash-proof
- Microphone: built-in
- Digital recording: possible
- Mode of operation: play, direct announcement, record
- Volume and on/off: built-in
- Range: 500 m
- Note: megaphone with transmitter and receiver available on request, higher output power can be supplied


PKI 9350

Series of Handcuffs and Foot-Chains

Each item of the **PKI 9350** series has been developed over a long period and with the experience of 40 years in the field of security equipment by **PKI ELECTRONIC INTELLIGENCE GmbH**. Every handcuff and foot-chain is produced in accordance to NIJ Standard- 0307.01.

Specifications:

- PKI 9350 - A Handcuffs** - Latest construction with double locking and enlarged range of adjustment for smaller and larger wrist sizes. Weight 340 g
- PKI 9350 - B Handcuffs** made of high tensile steel, resistant against humidity and sea-water, nickel-plated and with sateen finish. Weight 285 g
- PKI 9350 - C Handcuffs** for transportation of

persons with extended risks of security. With special key and protected key-hole. Nickel-plated and with sateen finish. Weight 285 g

PKI 9350 - D Handcuffs. The most often sold model. Made of high tensile steel, nickel-plated and sateen finished. Weight 285 g

PKI 9350 - E Handcuffs with compound hinge for reduced movements under special tasks. Particular security is given by the double locking system. Weight: 315 g

PKI 9350 - F Foot-chains - with 355 mm chain length made of specially hardened steel and enlarged cuffs for a better adjustment to prisoner's bodysizes. Nickel-plated and sateen finished cuffs. Weight: 595 g

PKI 9350 - G Foot-chains - for extended carrying capacity. Hardened and welded like item **PKI 9350 - D**. Weight: 765 g


PKI 9355 **PKI 9360**

Stun-Cuffs for Foot, Stun-Cuffs for Hand

Modern electronic technologies resulted in the development of stun-cuffs, of which we offer 2 different versions. **PKI 9355** continuously transmits signals via built-in GPS transmitter which are captured by a receiver (security staff). The receiver is programmable i.e. in case the prisoner leaves certain areas an automatic alarm will be released. The position of the prisoner can be located at any time and he can be arrested immediately if he tries to escape. **PKI 9355** is designed for so-called day-release prisoner.

PKI 9360 stun-cuffs for hands find their application when taking a prisoner to the court or hospital. In case he attempts to escape the stun-cuffs are activated by remote control and transmit an electric shock of 60.000 Volt. Voltage can be adjusted according to demands of staff. You never saw an escaping person stop so quickly!

Specifications:

PKI 9355: GPS-system consisting of transmitter and receiver. Transmitter is fixed to foot-chains and only removable by personnel.

Power supply with rechargeable batteries.

PKI 9360: Handcuffs with built-in receiver are only removable by the security staff. Electric shock will only be released if it is activated by the security personnel with the encoded remote transmitter. Range max. 300 m, voltage 60.000 Volt. Power supply with rechargeable batteries.



PKI 9380

Forensic Vehicle Laboratory

Crime is continuously increasing all over the world. In order to increase the detection rate trained personnel and adequate tools of latest technologies are crucial. The **PKI 9380** vehicle can be equipped according to requirements of your department. You determine top priorities, whether more forensic equipment, murder clarification case or a laboratory for DNA analysis is required. In order to technologically support the investigation and solving of a criminal case, we can also deliver the latest hardware.



Specifications:

- Basic equipment: emergency generator, air condition, fridge, various microscopes, chromatograph, murder clarification case, forensic case, digital images and video equipment, computer with the corresponding software, laboratory workstation, various devices for analysis, portable lighting unit, VZA bowls and case for storage, identification kit, chemical forensic kit, blood tracing kit, various versions of silicone kits, various laboratory apparatus for examination of blood and sperm, nitrate examination equipment, activating device for neutrons (NAA-kit), powder analysis unit for narcotics and ammunition, equipment for taking cadaver tissue samples, set of masks against putrefaction, various mechanical tools, etc.



- Vehicle: Mercedes Van or as per your demand
- Various: second-hand vehicles on request

PKI 9385

Artificial DNA

PKI 9385 is a chemical tincture which has an unique composition like natural DNA. The application of a small spot of this artificial DNA on valuable goods, that might be exposed to the danger of being stolen, guarantees the owner to be able to identify them later. **PKI 9385** is a transparent liquid which can hardly be removed due to the adhesive which is included in delivery. The liquid consists of different chemical elements, one of which becomes visible under UV-light. Numerized micro points represent the authenticating mark of the artificial DNA, as their

composition is unique. These DNA sequences are registered and can be analyzed in laboratories.

Specifications:

- Liquid, 10 ml filled in a little bottle: artificial DNA, transparent, a biochemical marker
- Comes with: UV-lamp for visualisation of the biochemical marker, PC software, analysis device
- Note: sufficient for thousands of markings



PKI 9390

Visual Theft Detection Set

This theft detection substance sticks on the hands or fingers of the person that touches an object on which it has been applied. The colour won't completely disappear before several days. This is a reliable and quick method to convict thefts. This special powder is the ideal protection of valuable coins, banknotes, important certificates and documents, etc. Even for outdoor purposes the **PKI 9390** is fully suitable, as for example for protection of laptops or other objects with plain surfaces.

Specifications:

- Powder/paste available in the following colours: grey, black, red
- Contents: 60 g
- Protective gloves and application sticks are included in the set.



PKI 9395

Invisible Theft Detection Set

These substances will stick on the hands or fingers on contact. Compared with the visual theft detection substances, they only become visible under UV-light. These invisible substances find their application field rather in long-term observation activities of suspicious persons. Even smallest quantities of this powder or paste will become visible under UV-light (included).

Specifications:

- Powder/paste available in the following
- Colours: neutral, turns to green under UV-light
- Contents: 60 g
- UV-light, protective gloves and application sticks included


PKI 9400

X-Ray Spray

The **PKI 9400** is a reasonably priced, very effective and quick technique to check incoming mail for suspicious contents. No need for electrical power or complex material. The direct visual examination protects you from false alarms in the case of metallic items such as staples or paper-clips, which may occur when using metal detectors. This X-ray spray is the perfect mail examination tool for security personnel, incoming mail departments and director's offices. The use of the **PKI 9400** is as easy as possible. Just spray it onto the suspicious envelope, which becomes transparent. After a few seconds the liquid will

evaporate without leaving any traces and free of residues. With its quick and easy use, the **PKI 9400** perfectly completes the use of metal detectors and electronic mail scanners, in order to effect a first check of the incoming mail.

Specifications:

- Contents: approx. 170 g
- Dimensions: approx. 150 mm x 50 mm
- Total weight: approx. 210 g
- Ingredients: non-toxic, non-inflammable, highly volatile
- Packing unit: 12 cans per carton


PKI 9405

Document Reader

The **PKI 9405**, a very compact document reader with high-end OCR technology is an indispensable equipment for reading passports, visas and other travel documents. This unit is especially designed to allow hands-free operation. Regardless of the chip position all electronic data can be read in a one-step process. The software package can be integrated easily into complete solutions. Customized models are available, designed according to our customer's specific needs.

Specifications:

- Cameras: 2 cameras included
- Illuminations:
visible (white)
Infra red
UV (UVA)

Optical Specifications

- Image sensor: 3 Megapixel 2048 x 1536
- Image resolution: 380 PPI
- Face image resolution: 700 PPI
- Image colour depth: 24 bits/pixels RGB

Hardware Units

- Internal memory: storage of the firmware settings and factory calibration
- Firmware upgrade: via USB Built-in DSP data processing unit


Mechanical Data

- Size with cover: 213 x 173 x 179 mm
- Window size: 130 x 98 mm
- Case: ABS plastic on metal base
- Window glass: 4 mm tempered glass
- Operating temperature: +10°C to +40°C
- Operating humidity: 0-95%
- Weight: 2,35 kg
- No moving parts

Others

- Compliances: CD, FCC, RoHS, IEC 62471
- Interface: USB 2.0
2 pcs free USB ports
- Number of status LEDs: 3 programmable
- Power: external power supply included (100-240V AC, 50/60 Hz)

PKI 9410

Image Processing System

The **PKI 9410** is a full colour video processor for the simultaneous display of live and stored images (still pictures). It is designed for police stations, border controls, immigration and customs offices and any other place where banknotes and documents have to be checked against falsifications. For all these types of document examinations, the **PKI 9410** offers a tremendous wide range of different functions such as overlay, addition, subtraction and side by side view for easy comparison of genuine and suspect documents. The main features of the **PKI 9410** are:

- Comparison by superimposition
- Box image inside large image (PIP=Picture in Picture)
- Horizontal split screen
- Vertical split screen
- Forgery detection by superimposition

The **PKI 9410** selects one of two analogue video inputs and converts it to a digital format. Every further processing thereafter is carried out in the digital realm but still preserving a highest video



quality. The digital image can be frozen in the full resolution frame store and the output combined in various ways with the live image. After that the combined image finally is converted back to an analogue format for display on monitor. From the front panel the operator can adjust the quality of the incoming video and the way in which the two images have to be combined. Cursors are used to

adjust the selected parameter or to move the picture. The reset/home button returns the parameter to the standard setting.

Specifications:

- Power Supply: 8 to 24 VDC, nominal 12 VDC at 850 mA
- Plug-top power supply unit supplied with each unit

PKI 9415

Portable Forgery Detector

- Rugged construction
- Flexible fibre optic
- Lightweight
- Four light sources
- Mains/battery operation

The **PKI 9415** is a versatile, compact and portable forgery detection system for the examination of all types of suspect documents. It is particularly useful for officials and immigration officers at sea- and airports, mobile border controls and the scene of crime officers. A large unobstructed working area allows quick and easy examination using the four integral light sources:

- A diffuse white light for visual examination in low light conditions
- Two black light lamps providing a strong ultraviolet source for examination of bleaching, alterations and fluorescent security marks
- A transmissive source for inspection of watermarks and internal threads
- An intense fibre optic illuminator for examination of intended writing and for transmission through photographs.

PKI 9415 can be operated by three different power sources: an internal battery, a wide range of AC power supplies and an external DC power source - like car batteries.

PKI 9415 is housed in a rugged ABS hardcover case with "O-Ring" sealing for the protection against water, dust and other contaminants.

Specifications:

A Light Sources

- aa** Ultraviolet, 2 long wave lamps each 4 Watts, 150 mm, 365nm, housed in a stainless steel reflector for maximum illumination
- ab** Visible Overhead, single cool white lamp, 4



- Watts, 150 mm mounted between UV lamps
- ac** Transmissive, 2 cool white lamps, each 4 Watts, 150 mm mounted behind a white plastic window
- ad** Fibre Optic Source, high intensity quartz halogen lamp with internal prefocussed optics giving maximum efficiency with the fibre optic, 9 Watts
- ae** Fibre Optic, flexible glass fibre light pipe, 5 mm active area, 1000 mm length, click-fit connection to light source. Stored in tool storage wallet when not in use.

B Mechanical

- ba** Housing, rugged ABS plastic case with soft feel handle, completely waterproof when closed
- bb** Size: 355 x 250 x 160 mm
- bc** Weight: 5.2 kg with 1.2 Ah accu, 7.25 kg with accu 7.0 Ah
- bd** Internal wallet for tool storage - size 175 x 115 x 35 mm

C Electrical

- ca** Internal Battery, option of 2 battery sizes, Standard 1.2 Ah or extended life with 7.0 Ah 1.2 Ah gives 1 hour constant use, 7 Ah gives 6 hours constant use.
- cb** Mains Power, 90 to 260 VAC. The battery is charged automatically
- cc** External DC power supply, 10 to 14 VDC via a 3.5 mm jack. Optionally leads for connection to vehicle power systems are available on request

D Switches

- da** Internal or external DC-source selector. Switching to external position isolates the internal battery
- db** Lamp change. Push button switch for sequential switching of lamps. Sequence: off - overhead white - ultraviolet - transmissive - fibre optic - off

PKI 9520

Opening Set for Car Doors

Already for many years government departments like police, special tasks forces, military and intelligence squads rely on this sophisticated set with its comprehensive scope of equipments.

PKI ELECTRONIC INTELLIGENCE recommends this set to each of these departments for European cars of latest generation with or without "Safe- Guard-Locking". The **PKI 9520** is a full set of car opening tools, accessories and illustrative documentation on videos and booklet. All parts are packed in an artificial leather bag for carrying and storage.

Specifications:

- Videos and books
 - 2 video tapes with car opening methods
 - 1 booklet with car opening methods
- Accessories
 - 2 pressure cushions
 - 1 vehicle sleeve
 - 1 suction-lever for vehicle doors
 - 1 wedge, 9.5 mm



- 1 wedge, 19 mm
- 1 torch lamp
- Universal Openers
 - 1 universal hook, horizontal
 - 1 universal hook, vertical
 - 1 opening set "hooks and slings"
 - 1 opening set "Euro Strip"
- Special Openers
 - 1 opener for Opel Omega
 - 1 opener for Volkswagen Golf III
 - 1 opener for Volkswagen Sharan, from 1996

- onwards
- 1 opener for side rods
- 1 opener for Volkswagen Passat, from 1993 - 1995
- 1 opener for Volkswagen Passat, from 1996 onwards
- 1 opener for Opel Astra, from 1996 onwards
- 1 opener for Opel Vectra, from 1996 onwards
- 1 opener for Mercedes C180
- 1 opener for Ford Mondeo, 1993-1997
- 1 opener for BMW

PKI 9525

Door Opening Kit for Cars and Rooms

Professional observation often requires the installation of surveillance devices in locked rooms or cars. In order to solve this problem we have developed an universal kit for opening doors of rooms and cars. The **PKI 9525** should be the basic equipment of every government organisation being involved in the fight against terrorism and criminal acts. It contains the standard pick sets, hooks for opening the doors of cars and a gun plug for grinding barrel locks. If required we can of course also offer the complete range of our door opening devices plus our training seminars at our premises. We wish to point out that the user of our door opening kit must have some experience and talent in order to be successful in this field.


Specifications:

- Dimensions of the aluminium case: 320 x 240 x 110 mm
- Weight of the case: 2kg
- Contents:

- 24 picks, 2 hooks for opening cars, 1 gun plug
- Kit for Beginners
- Universal kit for room and car locks
- Small and light-weight
- Delivered in an aluminium case

PKI 9530

Car ID Set

Very often the original chassis numbers of stolen cars, machines etc. are made invisible, grinded away or even replaced by new, forged numbers. With our **PKI 9530** the originally stamped numbers can be made visible again. This identification set especially has been assembled for the use by special police forces and other government departments being related to the identification of stolen cars or other valuable items. Basically, a testing can only be executed on iron materials and if the ID-numbers have been impacted automatically or by hand. A magnetic flux is produced in the soft-iron-core by two magnetic coils. This magnetic flux is directed into the material via the poles. If the lines of magnetic flux impact vertically hit on a material-compression, some of the lines drop out of the material and from the magnetic stray field at the compression field point. Now the

magnetic powder has to be applied on the compression point and the magnetic stray field will attract all available iron parts of the powder in order to react against the magnetic air-resistance.

Specifications:

- Content:
 - 1 pce hand yoke magnet for evidence of grinded ID-numbers
 - 1 pce UV lamp for visualisation of numbers
 - 1 pce NFR 101 Aerosol tin, high fluorescent magnetic powder
 - 1 pce cleaner for degreasing of surfaces
- Power supply: 220 VAC, 50 Hz
- Dimensions: approx. 480 x 380 x 200 mm (standard briefcase)
- Weight: approx. 12,5 kg



PKI 9535

Door Opening Case

This modern shaped case is equipped with every necessary tool for opening of locked doors. With the **PKI 9535** we have combined our long lasting experience in this field together with "State-of-the-Art" tools for a professional and quick opening of every kind of lock. It is a must for any government department, like police forces, special tasks forces and intelligence services to obtain immediate access to rooms and buildings whenever closed and locked doors prevent the direct entrance. The content of the **PKI 9535** has been determined by us in close co-operation with our customers and according to their needs. Special configurations, of course, can be effected whenever our customer is asking for. Contact us and inform us of your special requirements.

Specifications:

Content of the **PKI 9535** Door Opening Case

- Pointed pliers, straight
- Pointed pliers, cranked
- Screwdriver set
- Lubrication spray can
- Set of ring/open end spanners
- Ratchet spanner, size 17-19
- Support for pulling screws
- Pulling bell
- Pulling plate for circular locking cylinders
- Pulling plate for profile locking cylinders
- Hand-grip
- Pulling screws, 4.2mm diam. - 20 pcs
- Pulling screws, 5.5mm diam. - 20 pcs



PKI 9550

Vehicle Inspection Mirror

The **PKI 9550** Vehicle Inspection Mirror, mounted on castors, provides an efficient method for examination the underside of vehicles and to identify any suspicious item (explosives, weapons, contraband etc). Its large convex mirror offers a wide field of view and is illuminated by a strong fluorescent lamp. Two versions are available, allowing operation from either an integral "D-cell" battery pack or an external 12 VDC source -such as a car battery. It is equipped with a telescopic handle for convenient storage.

- Mirror: 300 mm dia. circular convex glass
- Handle: telescopic, up to 850 mm
- Power supply: model A - 8 pcs „D-cells“ batteries model B - external 12 V power source connected by 8 m power lead

For the same purpose we also recommend to use our **PKI 9555** Video Surveillance Under Vehicle System using video technology instead of optical mirrors.

Specifications:

- Lamp: 12V fluorescent, protected within a rugged splashproof acrylic case
- Easy to manoeuvre under vehicles
- Choice of power supply
- Convex mirror with wide field of view



PKI 9555

Under Vehicle Video System

The use of car bombs, ignited by suicide terrorists, more and more become a deadly threat. Every government organisation has to protect themselves against this. The **PKI 9555** Under Vehicle Video System is the most useful device for customs, police authorities and security personnel to investigate vehicles from underneath at borders, checkpoints and premises like embassies, energy plants, banks and other security-related commercial buildings. **PKI 9555** Under Vehicle Video System enables every security personnel to identify any suspicious item (weapon, bomb, contraband etc), carried underneath a vehicle. By means of a motorised shuttle and the use of computerised video-vision system every vehicle can be examined thoroughly. The observation unit is equipped with a high resolution monochrome camera and an illumination system and transmits the pictures to the notebook for further examination and storage.



Specifications:

- Easy to manoeuvre under vehicles
- Portable and mobile
- On-time viewing by video technology.
- Recording and storage on notebook
- Camera linear CCD
- Pixel Speed 20 MHz
- Power Supply 12 VDC
- Power Consumption 600 mA
- Lens 12 mm
- Field of View 120°
- Light Source halogen lights
- Dimensions approx. 480 x 480 x 90 mm, for observation item
- Receiving station laptop



PKI 9560

Magnetic Clamps Detector

Controlling the entrance of sensitive areas means that each and every passenger car or truck has to be checked carefully. This device is a part of the different instruments used to investigate vehicles from underneath, like inspection mirrors, explosives detectors or bomb sniffers. The **PKI 9560** is only destined to detect magnetic clamps mostly used to install auto bombs, drugs, vehicle location equipment etc. beneath cars. A convex mirror on the magnet sensor allows a quick and easy optical control in conjunction with the location of magnetic waves which are indicated as an optical alarm signal. You can choose between 2 different levels of sensitivity. An additionally control lamp shows the charge level of the built-in battery and a reset switch is used to neutralise the instrument as to magnet waves.

Specifications:

- Dimensions Telescopic arm: standard 45cm, extended 110cm
 - Weight: 2,6 kg
 - Diameter of the sensor: 110mm
 - Power supply: Built-in 12V rechargeable battery
 - Accessories: Battery charger
- Easy to handle
 - Easy location of magnetic clamps
 - Sturdy housing for the electronic


PKI 9565

Non-Contact Electronic Stethoscope

The **PKI 9565** is designed to amplify faint sounds coming through solid objects such as doors, walls, windows or other suspect objects. It has especially been developed for detection work in EOD and IEDD contexts and therefore it offers many applications for police and EOD personnel. It is used essentially to detect mechanical clockwork detonators that can be incorporated in unconventional explosive or incendiary devices. Sounds picked up by the detector head are amplified and can be heard on earphones. **PKI 9565** is supplied with various acoustic sensors to cater a variety of detection remits. The detector head can be exchanged, and various heads are supplied to give an optimum performance under different conditions. The entire unit is shock- and weatherproof and is supplied in a rugged carrying case.

Specifications:

- Frequency Range low range - 400 Hz to 10 KHz
- high range - 1000 Hz to 10 KHz
- Amplification up to 80 dB (10.000 times)
- Power supply 9 V block battery or NiCad

- rechargeable battery
- Operation time 12 - 50 hours
- Dimensions 35 mm dia., 210 mm length (390mm long with probe)
- Weights:

- stethoscope - 340 g
- headphone - 140 g
- complete - 1.800 g
- Carrying case: 360 x 300 x 88 mm


PKI 9570

Door Opening Set Multipick

The **PKI 9570** is used for a non-destructive opening of each kind of modern cylinder locks. Its working method is quite similar to the well known electropick system but being an advanced system, the **PKI 9570** can be used in the same way at a higher sophisticated level for nearly every known type of lock. By the use of the optionally available accessories, this system can unlock "exotic" locking systems as well. Therefore it should not be missed to have this device available in every government department being involved in fights against criminal acts and where a direct access to locked rooms is important. For the way how to use this special set please contact us for the next training held at our

premises. **PKI 9570** is powered by 24 VDC using the supplied battery pack and therefore is independent from any mains power supply. The battery pack is charged by the supplied electronically regulated mains adapter.

Specifications:

- Multipick-Handheld Unit complete with needle-holder
- 24 VDC battery pack
- Mains adapter, electronically regulated
- Set of picking needles, 50 pcs
- Spanning tools, 2 pcs
- Hexagon socket screw key, 3mm
- Operational manual



PKI 9575

Professional Lockpicking Set

In close co-operation with our customers and German authorities, **PKI ELECTRONIC INTELLIGENCE** offers this extraordinary set which successfully is in use by many police forces, fire brigades, intelligence departments and authorised locksmiths worldwide. Beside the supplied material, **PKI ELECTRONIC INTELLIGENCE**, also offers trainings and seminars in regard to every door-opening purpose. Please ask us for suitable dates. Nearly 40 years of experience in this field enabled us to offer the **PKI 9575** as the most complete set of professional tools and accessories for an immediate action in lock-picking tasks. But as the development in this specific field proceeds rapidly, we always improve our scope of supply in this regard and to the benefit of our customers

Specifications:

- 1 "PARAT" Leather case
- 1 Torx-Bit TX 20
- 1 video tape about lockpicking
- 1 Phillips-bit, size 2
- 1 "ROCKO"-Vario-Set
- 1 Universal holder
- 1 "Zieh-Fix Premium"-set
- 1 Connection Sk-3/8"Avk
- 1 "Zieh-Fix"- set
- 1 Nut SW 17, 3/8" drive
- 1 Pulling plate for profile locking cylinders
- 2 Ti-drills , 1.0 mm
- 1 Pulling plate for circular locking cylinders
- 2 Ti-drills, 3.5 mm
- 1 Can of cutting and lubrication spray
- 2 Ti-drills, 10.0 mm
- 1 Special screw driver TX20
- 1 Hook K 1-12
- 1 T-key nut, SW 17
- 1 Hook O 1-15
- 1 Pointed pliers, straight



- 1 Extractor set
- 1 Pointed pliers, cranked
- 1 Pick set
- 1 Screw driver, 1.2x8x150mm
- 1 Spanning tool TR-25
- 1 Screw driver, 1.6x6x150mm
- 1 Spanning tool TR-4
- 1 Plastic profile cylinder locker
- 1 Spanning tool TEN-2
- 1 Opener for "Melchert" armatures
- 1 Spanning tool TEN-5
- 1 Needle set for door foldings
- 1 Spanning tool TNT-20
- 1 Lever for door foldings
- 1 Opener for cross-bearded locks
- 1 Set of cards for door opening
- 1 Flipper
- 1 Square bolt, 8mm for extraction of 72 mm locks
- 1 Window opener
- 1 Square bolt, 10mm for extraction of 92mm locks
- 2 pick-needles, straight pick
- 3 Protective collar for "Zieh-Fix Premium"
- 2 pick-needles, angle pick
- 50 Pulling screws standard
- 1 Tubular-Pick Standard
- 50 Pulling screws extra
- 1 "Zieh-Fix" electro incl. charger
- 50 Pulling screws super
- 1 "Zieh-Fix" Novum pick needle set
- 3 Profile cylinders 30-30 mm
- 1 Video Tape " Electro-Picking

PKI 9580

Lock Opening Device

This **PKI 9580** has been designed as an assortment around the well-known mechanical tearoff device for the opening of every kind of locked doors and has been assembled in close co-operation with a large number of our customers from all over the world. No matter what kind of locks, whether round-type or cylinder-type is to be opened, this set offers the best possible choice to every kind of government department. Even breaking of fixed links is possible with this set of high-quality tools.

Specifications:

The professionally assortment of this kit consists of the following parts:

- 1 pce carrying and storage case
- 1 pce mechanical tear-off device
- 1 pce tear-off plate for profile-cylinders, 14.7 mm diam.
- 1 pce tear-off plate for round-type cylinders, 16.8 mm diam.
- 100 ml special lubrication spray for cuts and slidings



- 1 pce special graphite slip additive for hub-screws
- 1 pce special screw-driver TX 20
- 1 pce special T-key with nut SW 17
- 1 pce short , straight pointed pliers
- 1 pce bended pointed pliers
- 1 pce screw driver 1.2 x 8 x 150 mm
- 1 pce screw driver 1.6 x 6 x 150 mm
- 1 pce Universal-profile-cylinder- locker
- 1 pce opener for Melchert-Visor-type locks
- 50 pcs pulling-screws, type standard for mechanical tear-off device
- 50 pcs pulling-screws, type extra for mechanical tear-off device
- 50 pcs pulling screws, type super for mechanical tear-off device
- 1 pce profile cylinder 30-30 mm
- 1 pce VHS-Video-Demonstration-Cassette

PKI 9585

Door Opening Kit for Cars

In many cases of surveillance it is of utmost importance to open a monitored car without any risk of damage in order to install for example microphones, cameras or GPS-systems. For this application there are different systems available which we have combined in one set:

- 1.) Decoder for car lock cylinders
- 2.) Lock picks for car lock cylinders
- 3.) Car lock scanner
- 4.) Car Killing Kit

These special tools can also be delivered separately. In most cases it is important to find out the model and year of manufacture of the car, for example by using our decoder for car lock cylinders. With this code you are now able to directly compose a special key for the car by using the provided master keys. For this, you do not need any further tools or machines. Everything is contained in the set. Our software can decode even the latest generations of car lock cylinders and then offer a proposal for the key code. Concerning the lock picks it is also

essential to know the model and year of manufacture of the car. Please indicate this together with your order. The tools of the car lock scanner are used to crack the code of the plates integrated in the tumbler of the car lock cylinders even of the latest generation. By means of the

cracked code it is now possible to cut a matching key. The car killing kit consists of different bent needles made out of steel wire which are inserted through the rubber joint in order to reach the locking mechanism of the car.


PKI 9590

Electric Powered Multipick Door Opening Kit

This door opening kit works with up to 44.000 vibrations per minute. Even locks with more than 20 tumblers on several locking sections can be opened within seconds. The frequency of the strokes can be adjusted continuously. The power supply is guaranteed by means of a built-in battery. Most of the opening kits of our competitors destroy the door lock which is of course acceptable in case of an emergency. However, such tools cannot be used for surveillance operations. **PKI 9590** can be used in order to open and relock all current available key cylinders without damaging them at all. This is imperative for all kind of room surveillance. The PKI 9590 works in such a way that a special pick is inserted into the locking canal of the key cylinder. The pick is then put into extremely high vibrations which are transferred at the correct

angle to the locking bolts of the key cylinder. The locking bolts put into such a vibration fall into their corresponding locking positions and such enabling the core of the key cylinder to rotate freely as if it was opened by using a matching key.

Specifications:

- Dimensions 38 x 28 x 8 cm
- Power Supply 24V battery pack
- Hand set with plain needle holder
- Accessories electronically controlled charging unit 220V
- 50 plain picks
- 2 chuck tools
- 3mm Allen wrench
- Instruction manual in English


PKI 9595

Thermal Lance - Complete Unit

If there is no chance to open a door with conventional tools or if this is not possible because of any special material, we recommend our thermal lance. It penetrates any material like cast iron, steel, stainless steel, concrete, granite, nickel, ceramic or titanium compound as well as aluminium. The fuel rods reach a temperature of up to 5.500°C at the tip and therefore can cut, melt or liquefy the different materials indicated above. Each lance burns about 30-40 seconds. There is no other equipment available which is so versatile and reliable. The **PKI 9595** contains everything in order to carry all tools with you. The application is very simple and safe, because

no dangerous acetylene or high power are required.

Specifications:

- Carrying device for fixing a 5l air tank and oxygene mounting
- Belt for fixing the provided 12V battery incl. charging unit
- Leather Tubular for the 450mm long lances and scratch plate
- Further Accessories protective goggles, ignition cable, earth cable, oxygene hose, protective gloves as well as 9 pcs. lances 6,35 x 450mm and 6 pcs. lances 9,53 x 450mm



PKI 9600

Forged Chassis Numbers Identification Set

Unfortunately the number of stolen cars is steadily increasing. The police has to face a serious problem. Even when they trace stolen cars, the original stamped chassis number often has been made invisible, grinded off or has been replaced by a new, forged number. Now PKI created the easy-to-use PKI 9600 set which is indispensable in order to prove the car theft, as it makes the originally stamped chassis number visible again. You simply have to apply the adequate etching gel on the place where you suspect the chassis number, to treat it with the included brush and afterward with the neutralising liquid. In order to protect your hands always put on the included gloves. After this treatment the chassis number will clearly reappear.

There is a magnetic (PKI 9530) and a chemical (PKI 9600) procedure as the surface of the material with chassis numbers may vary from one car type to the other. So it could be very useful to test both methods.

Specifications:

- Dimensions of the aluminium case: 32 x 25 x 10 cm
- Weight: 1 kg
- Contents: 3 bottles with etching gel for aluminium, steel and copper
2 bottles with neutralising liquid
1 brush, 1 magnifier with UV-light



PKI 9605

Key Copying Kit

Wherever it is necessary to place monitoring devices into a room, non-destructive methods to open and close locked doors are required. For such purposes, different methods are possible. Whether using our lock-picking devices or casting a perfect copy of the original key - in any way we can supply the right solutions. With our PKI 9605 Key Copying Kit we offer the best way for all special forces to enter the room as often as required under the condition that the original key is available at least once. For each and every type of key you can easily obtain a totally identical copy of the original, without the need of any key blank and within only a few minutes. The original has to be fixed in the supplied mould and the mixed-up impression material has to be filled into this. After curing of the material, the original key has to be removed and the remaining shape is to be filled with the supplied special casting metal material. With this mould, several similar



copies of the original can be done, one by one, within seconds.

Specifications:

- 1 pc. metal casting mould
- 2 pcs. support for keys
- 1 block special metal casting material
- 1 pc. burner with gas-cartridge
- 1 pc. mixing bowl
- 1 bottle hardener
- 1 bottle interlace agent
- 1 box impression material
- 1 set tools, with screwdriver, knife, spatula, one-way syringes, casting spoon etc.
- 1 pc. operating manual
- 1 pc. carrying case for the whole kit

PKI 9615

IR Light Barrier

Very often the surrounding conditions only allow a mobile and flexible intrusion protection especially in sensitive areas like mobile camps for police or military forces, industrial and / or private sectors where no mains supply is available. The PKI 9615 is the smallest device available in the world-market for IR motion detection. Consisting of palmsized transmitter and receiver, the PKI 9615 secures an area with a diameter of up to 70 m against unauthorised intrusions. If a person crosses the invisible beam between transmitter and receiver, a radio-controlled acoustical and visible alarm signal is given to the receiver (pager). Optionally, this signal can also be transferred to a mobile phone by means of an interface.



Specifications:

- IR-Wavelength: approx. 940 Nanometers (invisible to human eyes)
- Secured area: 1 - 70 m
- Distance of alarm transmission: up to 400 m (depending on surrounding conditions) or unlimited range to GSM mobile phone via interface
- Alarm: acoustical and optical on alarm receiver (pager)
- Power supply: 9 VDC standard block battery
- Dimensions: approx. 65 x 40 x 20 mm
- Weight: approx. 300 g

PKI 9620

Telescopic Assault Ladder

PKI 9620 is a telescopic ladder for immediate access to various buildings whenever these cannot be entered from the inside. Therefore it is a must for every SWAT Team, special police forces and military departments being in charge of criminal acts like taking hostages, bomb disposal and acting against drug dealers. As it is designed to be most compact, easy to store and quick to assemble, it offers the best features for a mobile, operational task. It extends from a compact format to either full length or any intermediate length. Handling is very easy, you only pull out from closed condition to required length. Maximum length is about 3.6 meters. Other types with less length are available upon request (1.4, 2.0, 2.6 and 3.2 meters). Made of top-class aluminium with hard rubber caps at the top and bottom, this assault ladder provides a high loading capacity and prevention of slippage when in use. It is certified to many world-wide standards in regard to safety and durability.


Specifications:

- Max. standard loading: 150 kg
- Closed length: 89 cm
- Extended length: max. 3.6 m
- Weight: 13 kg
- Carrying bag: approx. 102 x 51 x 11 cm

PKI 9625

Special Entry Tool

This low velocity, indirect acting tool is designed for police, fire fighters, military and emergency response personnel to quickly gain access through locked doors, gates, security bars, fences etc. It uses special breaching modules with drive/cutting heads that move at speeds over 60 m per second. **PKI 9625** is an indirect acting powder actuated tool which uses the expanding gases of a powder load to drive a piston rod forward. The piston rod then engages and drives a chisel or other type of object through a lock, bolt, padlock, window bar, or similar.


Specifications:

- Size: with flying chisel attached
495 mm x 45 mm x 159 mm
- Weight / tool: loaded tool with flying chisel attached 2.9 kg
- Weight / full kit: 6.8 kg
- Chisels and piston: forged tool steel, specially

- heat treated for impact stresses
- Striking force: 13.6000 kg at chisel head with red powder loads
- Tools:
flying chisel 75 mm
Boltbuster chisel 25 mm

- Lockbuster rod 69 mm
- Re-cock time for next shot: less than 1 second
- Power loads: 10 cartridges low velocity strip loads 3 (green) for training, 5 (red) for operations

PKI 9630

Flexible Ladder

This ladder is made from anodised aluminium and flexible stainless steel wire sides that can easily be coiled for transportation or stowage. **PKI Flexible Ladder** has a wide application range in rescue work, where quick access and fast extraction of persons in danger is crucial.


Specifications:

- Rungs: 15 cm wide
- Space between rungs: 30 cm
- Length: 10 -20 m
- Weight: 2,4 - 4,8 kg
- Max. load: 120 kg

PKI 9635

Street Barriers

A large variety of operations require street barriers, e.g. cleaning works after terrorist attacks or safeguarding of vehicles, buildings etc. or at demonstrations. We can deliver street barriers in different sizes and colours. They are easy to pile and therefore space-saving during transport by truck. Furthermore they offer retainers for signboards like "police control", "diversion" or similar.

Specifications:

- Material: steel or aluminium tube
- Dimensions: 280 x 120 x 50cm
- Colour: standard red/white, other colours on request



PKI 9640

Fluorescent Safety Products

Some special objects have always to be visible even at power blackout, such as exits and stairs, but also signs for fire extinguishers, fire alarm or emergency exits, direction arrows etc. In addition various kinds of signs we also offer self-adhesive fluorescent tapes. Should this still be insufficient we are able to supply fluorescent colour. Even if there is no light anymore this colour afterglows up to 30 minutes.

Specifications:

- Dimensions signs: 320 x 160 mm
- Material: polyvinylchlorid, self-adhesive
- Dimensions fluorescent tapes: roll length 30 m x 0,30 m
- Specific weight colour: 1.4
- Lasts for: 1 kg/m²
- Packed in: 50 kg
- Note: These products can be stored for 1 year.



PKI 9645

10W Power LED Torch Lamp

The **PKI 9645** is one of the strongest torch lamps in the market and outshines any torch lamp with standard bulbs. Due to the solid aluminium housing its use is as versatile as could be, e.g. for outdoor operations. The energy-saving LED-lights allow extremely efficient use of battery power, which makes this torch a unique accessory at numerous activities.

Specifications:

- Dimensions: ø 30 x 150 mm
- Weight: 180 g
- Power supply: rechargeable battery
- Operation time: 600 lm = 1 h / 90 lm = 10 h
- Capacity: 600 / 90 lm switchable
- Maximum capacity: up to 900 lm
- Various: extra solid aluminium housing, with non-slip hand grip, holster, rechargeable battery and power plug included.



PKI 9650

High Tension Lance

The new **PKI 9650** High Tension Lance is the extended development to our **PKI 9700** Electric Shock Baton. **PKI's** R&D-department has developed this tactical device for every kind of riot control where aggressors have to be kept away from sensitive areas. In combination with our **PKI 9150** Protective Shield the **PKI 9650** High Tension Lance offers a perfect solution for an effective control of any riot situation. Several police officers or members of other Anti-Riot-Squads should row up, creating a „living wall“ against the insurgents but yet being well protected and having the best possible means of defence in hands for controlling and repelling of critical events. The **PKI 9650** is made of special, rigid and heavy duty plastic tubes incorporating the battery compartment, electronic boards and copper conductors for transferring the high tension to the contact-pins. Due to its length of 1.600 mm any person can be kept at a secure distance. Just by pressing the integrated button the **PKI 9650** will produce audible, high tension cracking noises and sparks between the contact pins. If even this will not stop the crowd, the



direct body contact with the electric pins of **PKI 9650** High Tension Lance immediately will immobilise the aggressor for several minutes.

Specifications:

- Total length 1600 mm
- Effective range from 1600 - 2400 mm telescopic
- Diameter 50 mm
- Weight 2,8 kg

- Max. output voltage 45.000 V
- Power supply rechargeable battery
- 45.000 Volts max. output power
- Low current
- Portable and well balanced
- Rigid but lightweight construction
- Battery operated
- Not effecting harmful injuries

PKI 9655
PKI 9660
PKI 9665

Mast Systems for Police Vehicles, Mast Systems for Antennas, Mast Systems for Illumination



Fast installation of mast systems is often indispensable. According to customer's requirements our systems can be mounted onto vehicles or used in open space. They are available in light, medium and heavy duty versions depending on their height and weight of the object to be fixed, e.g. camera, illumination devices, antenna etc. Out of our range of more than 30 different mast systems we have selected 3 versions. Please ask for a detailed quotation that are suitable for military purposes as well.

Specifications:

- PKI 9655** 9 m height top load up to 15 kg
- PKI 9660** 30 m height top load up to 75 kg
- PKI 9665** 20 m height top load up to 70 kg

Various: Every mast can be mounted freestanding or onto a vehicle. Extension is effected by hydraulic or hoisting winch.

PKI 9670

Generator

A lot of our **PKI**-devices are used at emergency cases like terrorist attacks, earth quakes etc. where no conventional power supply is available. Our various generators of different power classes are the ideal solution **PKI** offers all types of generators from standard hand-held to stationary devices. In general we can recommend two types: diesel engines and patrol 4-stroke engines, but of course all special demands will be considered.

Specifications:

- Power: 1-10 kW continuous power, portable version or on wheels
10-400 kW stationary version
- Working voltage: 230 V or/and 380 V AC
- Frequency: 50 Hz
- Speciality: generator integrated in stable frame construction
- Protection class: IP 23
- Acoustic level: 83 dB(A)



PKI 9675

Telescopic Ladder

The advantage of telescopic ladders is that they are easy to store if you don't need them. In the case of emergency, however, they are ready to hand immediately. The **PKI 9675** has a total length of 3.80 m and can carry up to 150 kg. A handy and useful ladder, which is indispensable for any household.

Specifications:

- Dimensions: 78 cm (folded),
380 cm (expanded)
- Max. carrying capacity: 150 kg
- Material: aluminium
- Weight: 10,7 kg



PKI 9680

Portable Plasma Cutter

This plasma cutter cuts iron plates like butter which is often of highest importance at special operations. The plasma flame reaches a temperature of 8000°C. The **PKI 9680** weighs only 6 kg and is powered by a separate generator which is included and allows long working times. A battery pack can also be used for shorter times of operation (depending on power).

Specifications:

- Dimensions: 500 x 700 x 300 mm
- Weight: 6 kg
- Power supply: 220 V/50 Hz, generator, batteries and power switch
- Plasma flame: 8000°C
- Note: The operator imperatively must wear the included protection mask due to strong UV rays.



PKI 9685

Hydraulic Spreader

The **PKI 9685** is a multi-functional item for various operations, such as spreading, pulling, holding, separating and much more. The spreading head with anti-sliding teeth is made of super-high strength light aluminium alloy for navigation and astronautics. It ensures that the spreading and holding operation is safe and reliable. Our system adopts German seals and hydraulic oil for navigation, which ensures the use in an environment of -30°C to +55°C and in a depth of 30 m under water. **PKI 9685** complies with German DIN 14751.

Specifications:

- Dimensions: 704 x 280 x 185 mm
- Weight: 17 kg
- Working pressure: 63 MPa
- Spreading force: 42-120 kN
- Spreading distance: 630 mm
- Pulling force: 55 kN
- Pulling stroke: 500 mm
- Hydraulic pump: on request


PKI 9690

Hydraulic Cutter

PKI 9690 has a powerful cutting function and is able to cut round steel up to a diameter of 30 mm. The cylinder is made of high strength light alloy for astronautics. The surface is ceramic treated. The cutter is made of special tool steel, which can be sharpened repeatedly. The system adapts German seals and hydraulic oil for navigation which ensures the use in an environment of -30°C to +55°C and in a depth of 30 m under water. **PKI 9690** complies with German DIN 14751.

Specifications:

- Dimensions: 730 x 190 x 165 mm
- Weight: 12.8 kg
- Working pressure: 63 MPa
- Max. cutting force: 420 kN
- Max. cutting capacity: 30 mm diam.
- Max. opening capacity: 150 mm
- Hydraulic pump: on request


PKI 9695

Hydraulic Door Opener

This **PKI 9695** hydraulic door opener is indispensable for special forces who need to get attack-like access to rooms. Very often only seconds determine whether for example a terrorist can escape or not. The spreading jaws are equipped with anti slip coating. **PKI 9695** complies with German DIN 14751.

Specifications:

- Dimensions: 140 x 110 x 235 mm
- Weight: 7 kg
- Temperature range: -30°C to +55°C
- Wedging angle: 28°
- Working pressure: 63 Mpa
- Load: up to 9 to.
- Note: In addition to **PKI 9695** a small, portable hydraulic compressor can be supplied on request.



PKI 9700

Electric Shock Baton

The **PKI 9700** Electric Shock Baton is the most versatile instrument to protect police officers, anti-terrorist squads and security guards from personal attacks at demonstrations, riots and other dangerous situations. Even private security companies should be equipped with this device for their own personal protection during their daily tasks. The unit is small enough to be placed into a beltsling like provided with our **PKI 9255** Immediate Response Jacket or can be fixed to the hand by the attached sling and then being right at hand at any time. The **PKI 9700**, coated by hard rubber material, provides an electric shock to the aggressor whenever touched but also can be used as a common baton. Additionally the **PKI 9700** produces a cracking noise and high voltage sparks whenever the electric shock function is activated by the integrated switch. This already will stop any further attack but even if the aggressive person steps forward, a single touch, of some seconds only, to its hip or upper-body region will immobilise him for a certain time, without causing any dangerous, long-lasting or even lethal injuries.



Specifications:

- Max. output voltage approx. 30.000 V
- Dimensions approx. 40mm diameter x 380 mm length
- Weight approx. 300 gr.
- Power supply standard battery 9 V

- Highly versatile
- High power - up to 30.000 V
- Low current
- Immobilising aggressors by non-lethal but yet effective electric shocks
- Battery operated

PKI 9705

Door Latch Opening Set

Especially locks of the new generation with end-to-end bolts are appropriate for this kind of opening set. Just install the lifting tool between the door and the door handle plate, in order to obtain the necessary gap that allows introducing the square bolt tool. Actuate the bolt with the tool in order to unlock the door latch. The **PKI 9705** is also appropriate for double rabbet doors and self-closing systems. Our handle plate lifting tool can be used on all door systems with enough ridges that allow placing it precisely and to exert

force on it. The tools are delivered in a solid hard-cover plastic case with inlays.

Specifications:

- Handle plate lifting tool
- Bolt, square, 8 mm for 72 distances
- Bolt, square, 9 mm for FH-doors
- 2x bolts, square, 10 mm for 92 distances
- Long pliers
- Set of latch pick needles
- Set of latch opening cards



PKI 9710

Safety Suitcase

The **PKI 9710** has been developed for secure transportation of various valuable items, such as cash money, jewels, important documents, etc. It features multiple functions to avoid theft and pilferage. Sensors are integrated in the handle and both surfaces of the suitcase, which can be activated, so that the **PKI 9710** emits high-voltage pulsed electric shocks of 30 KV. The wireless activation is done by means of a small remote control that must be carried separately from the suitcase. This remote control also activates the "loss function", which prevents from simply forgetting it somewhere during voyages or theft. If the distance between the remote control and the **PKI 9710** exceeds 3-15 m, a loud warning signal will be emitted. If ever the suitcase has really been stolen by someone, for your own protection you should wait until the person has obtained a distance of at least 50 m, in order to activate the anti-robbery function of

the suitcase, which will activate the alarm signal as well as the high-voltage electric shocks.

Specifications:

- Activation distances: 3-15 m for alarm signal, approx. 50 m for high-voltage electric shocks
- Electric shocks: high-voltage >30 KV
- Audio alarm: > 85 dB
- Power supply:
- Remote control: battery
- Electric shocks: 12 VDC / 6 x alkaline batteries or equivalent rechargeable batteries
- Material: high-quality PVC or leather in black or red colour, according to customer's request
- Double code locks



PKI 9715

GSM Remote Control

It is hard to believe but today's GSM-technology allows many actions for remote controls all over the world. This is what our **PKI 9715** can do. Switching on and off electric heaters, lamps, radio sets or other household equipment is as well possible as activating mains-powered monitoring devices like those shown in this catalogue. No matter whether you are in Spain and you must activate a certain device at home in Germany, or in your office in Turkey or anywhere else in the world - distances are of no importance. Of course, it is up to you what kind of device you wish to switch on or off but the **PKI 9715** is the right choice for all such operations.

With its potentialfree in- and outputs, the minimised dimensions of only 68 x 60 x 30 mm and the low weight it can easily be installed wherever you might need it. Simply place a commercial and prepaid SIM-card into the slot and off it goes.

Specifications:

- Frequency: GSM 900/1800 MHz
- Peak: switching current 300 VA
- Power supply: 110 - 240 VAC or 12 VDC with mains adapter/charger
- Dimensions: approx. 68 x 60 x 30 mm
- Weight: approx. 220 g

**PKI 9720**

Wireless Remote Control

This professional wireless remote control activates respectively deactivates electronic devices from a distance of up to 1000 m with a coded signal. **PKI 9720** operates absolutely safely and interference-free to and from other electronic devices. Therefore it is the best possible solution, if you need a wireless remote control for all of your equipment. As standard, the **PKI 9720** is supplied as a single-channel version. Multichannel versions are available upon request.

with 100VA breaking capacity

- Transmitting frequency: UHF-range, coded
- Transmitting range: up to 1000 m (depending on surrounding conditions)
- Power supply: 9 VDC standard block batteries for receiver and/or mains adapter for transmitter
- Dimensions:
Transmitter - approx. 140 x 75 x 22 mm
Receiver - approx. 100 x 60 x 20 mm
- Weights:
Transmitter - approx. 350 g
Receiver - approx. 220 g

Specifications:

- Switching channel one, potentialfree connection

**PKI 9725**

Telescopic Batons

Already for a long time the **PKI 9725** Telescopic Batons are the standard equipment of police officers in many countries all over the world. **PKI ELECTRONIC INTELLIGENCE**, with its 40 years of experience in this business, and being a registered supplier in more than 60 countries, now can offer the latest development in this field.

Each baton is equipped with a special anti-slip rubber handle (Vinyl-Grip) and there is a vast difference to common batons in regard to quality, stability and reliability.

We can now offer various versions of the **PKI 9725** Telescopic Baton:

Version A made of aluminium, length 41 cm, weight 207 g

Version B made of aluminium, length 53 cm, weight 250 g

Version C made of aluminium, length 66 cm, weight 300 g

Version D made of aluminium, length 79 cm, weight 420 g

Version E made of steel, length 41 cm, weight 377 g

Version F made of steel, length 53 cm, weight 462 g

Version G made of steel, length 66 cm, weight 577 g

Version H made of steel, length 79 cm, weight 683 g

Version I made of black coated steel, length 41 cm, weight 377 g

Version J made of black coated steel, length 53 cm, weight 462 g

Version K made of black coated steel, length 66 cm, weight 577 g

Version L made of black coated steel, length 79 cm, weight 683 g

Please ask us for further information about each version.



PKI 9730

Solar Case

Nothing works without power supply, however there are numerous possibilities to ensure power for electric devices even at blackouts. Our **PKI 9730** solar case is one of these possibilities. Uninterrupted power supply is not only important for our special devices but also for standard equipment. The built-in lead-acid battery with 12V, 18 Ah is permanently recharged by solar energy via solar panels. The integrated inverter converts 12 V DC to 110 or 220 AC, so that a reliable power supply of 120 W is always available.

Specifications:

- Dimensions: 32 x 24 x 18 cm
- Weight: 10 kg
- Temperature range: -20°C to +60°C
- Solar panels: 2x 6W mono-crystalline silicon
- Carrying case: fire-proof PVC



PKI 9735

150W Solar Inverter and Outdoor UPS

There is no easier way! This handy power supply with integrated solar cell batteries, recharger and AC output reliably provides power for our **PKI** devices at various operations especially at blackouts. The batteries will be recharged by solar cells, AC adapter or inside the car via cigarette plug. The built-in batteries are equipped with overload protection.

Specifications:

- Dimensions: 200 x 155 x 55 mm
- Weight: 1.6 kg
- Solar panel: polycrystalline
- Built-in batteries: 12V DC, 2,2 A
- Output power: 150 w (max.)
- Output voltage: 120 V / 220 V
- Low battery alarm



PKI 9740

Digital Alarm System

- Handheld receiver
- PIR motion detector
- Shock sensor
- Radar motion detector
- Safety shut-off mat
- Handheld panic alarm

In general, a mission does not only consist in protection of furniture and fixtures. During a surveillance operation it is of utmost importance that the target person does not have any suspicions. One crucial point in order to avoid unpleasant surprises is to secure the target place accordingly, so that the surveillance operator is protected whilst installing the devices and can be warned timely, if persons are approaching the target room. Our alarm sensors are easy to install fully unobtrusively and their wireless functioning is completely autarkic, as each sensor is equipped with transmitter and battery. This allows extreme easy and fast installation. All sensors can be installed according to personal and individual requirements. The alarm is given via the handheld receiver, and can be selected between acoustic, optical and vibration alert. The distance between the sensors and the receiver can be up to 300 m.



- Power supply: 4 x batteries type AAA 1.5 V
- Dimensions: 112 x 58 x 23 mm
- Housing: aluminium
- Operating time: 30 days in stand-by mode (with one set of batteries)

- Operating time: 40 day in stand-by mode
- Power supply: 3 coin cells
- Housing: aluminium
- Dimensions: ONLY Ø 16 mm x 88 mm

Specifications:

Handheld receiver

- Channels: 4
- Frequency: 430 MHz
- Alarm: acoustic, optical, vibration

Wireless PIR motion detector

- Data transmission: digital, encoded
- Frequency: 430 MHz
- Start-up delay: 1 min. after activation
- Detecting range: 8 m
- Transmission power: 50 mW
- Transmission range: 300 m

Wireless shock sensor

- Data transmission: digital, encoded
- Frequency: 430 MHz
- Transmission power: 50 mW
- Transmission range: 300 m
- Operating time: 180 days
- Power supply: 2 coin cells
- Housing: aluminium

PKI 9740

Digital Alarm System

- Dimensions: 70 x 51 x 9 mm
- Note: Start-up delay 1 min. after activation, perfect for surveillance of vehicles

Wireless radar motion detector

- Data transmission: digital, encoded
- Frequency: 430 MHz
- Transmission power: 50 mW
- Transmission range: 300 m
- Covered range: 0.3 - 5 m, 60°
- Power supply: 12V DC batteries
- Dimensions: 110 x 160 x 120 mm
- Operating time: 30 hours
- Note: a very reliable motion detector, even through doors, windows, walls, bricks, etc. Start-up delay after activation: 1 min.

Wireless safety shut-off mat

- Data transmission: digital, encoded
- Frequency: 430 MHz
- Transmission power: 50mW
- Transmission range: 300 m
- Operating time: 180 days in stand-by mode
- Power supply: 2 x coin cells
- Housing: aluminium
- Dimensions: 590 x 180 mm (transmitter: 70 x 51 x 9 mm)
- Note: reliably secures doors, halls and entries

Wireless panic alarm

- Data transmission: digital, encoded
- Frequency: 430 MHz
- Transmission power: 50mW

- Transmission range: 300 m
- Operating time: 100 days in stand-by mode
- Power supply: 3 x coin cells
- Dimensions: 64 x 34 x 13 mm
- Note: housed in a keyring pendant, wireless alarm release at the push of a button

In addition to our above mentioned sensors and detectors, we can also supply further types, such as IR or laser light barriers, acoustic sensors, etc. according to your requirements and needs. Also part of our product range are various versions of audio/video devices, wireless and pocket-sized, including receiver and recorder and are listed in our catalogue as well.

PKI 9745

Irritant Gas Defence System

The **PKI 9745** has been developed as ancillary component for already installed alarm systems. It consists in a defence system with irritant gas, which is approved as protection against people, combined with a warning announcement. Its housing is made in extra solid stainless steel to protect against damage. Once the main alarm system is turned on, the **PKI 9745** switches into standby mode. Only an alert will activate the defence system. At first a loud warning message will be announced: "Leave the secure area immediately, or irritant gas will be released". This clear and unmistakable warning gives the intruder the possibility to retreat. Otherwise, if he ignores it and continues to enter the detection range of the **PKI 9745**, the irritant gas will automatically be ejected. If this discouraged the intruder and he backs out, the **PKI 9745** will turn back into standby mode. If the intruder however

continues to approach, further irritant gas ejections will be released. After each ejection the dose of irritant gas will be increased. By turning off the alarm system, the **PKI 9745** will be turned off as well.

Specifications:

- Irritant gas, approved as protection against people in 400 ml cartridges covering areas up to 300 m². Stainless steel housing with adjustable wall bracket, control unit protected against damage, with LED-display and key switch to protect against unintended activation, cable length 1.5 m
- Operating temperature: -20° to +45°C
- Dimensions: diameter approx. 160mm, length 330 mm
- Weight: approx. 6.5 kg


PKI 9750

Defence Tool

These tools are indispensable for all persons working as security guards, whether at government departments or in industrial companies like power plants, metal- or chemical factories etc. In order to avoid that they are seriously injured or even die when doing their job or by being attacked by demonstrators, terrorists or other crowds ready to use violence, they must be equipped with adequate defence devices. However, it is necessary to practise the application of these special tools. With our special training courses we can provide each user with the necessary knowledge to use our equipment correctly and to avoid injuries. Unlike the tools of many other suppliers the **PKI 9750** includes a wide range of features, i.e. baton, torch light and tear gas in one tool. Optionally tools with bent hooks for capturing a person or tools with a grip and long lance to keep



the aggressor at a safe distance are also available.

Specifications:

- Dimensions 40 - 60 cm
- Weight Approx. 150 g

- Material Plastic, aluminium and iron
- Sturdy finishing
- Shock-proof material
- Easy to handle
- Light-weight

PKI 9760

NBC Protection Suit

This protection suit belongs to a group of activated carbon fabrics which has been designed in order to meet the latest challenge in case of a NBC threat. This suit offers both advantages, i.e. total protection and high air- and water vapour permeability and reduces the threat of heat stress by its excellent wearing comfort. **PKI 9760** is especially convenient for operation in hot climatic conditions.

Specifications:

- Weight: 520 g/m²
- Air permeability: 250 mm/s
- Water vapour resistance: ISO 11092
- Thermal resistance: 0,030 m² K/W
- Protection against chemical warfare: laid drop test and falling drop test
- Protection against a 10 gm² HD challenge for 24 hrs ≤ 4 µg/cm²

- Gas test: protection against a 20 mg m³ HD challenge for 6 hrs ≤ 500 mg min/m³
- Possibilities of decontamination: hot gas/hot vapour (180°C/30 min.) twice
- Burning resistance: protection against heat and flames (EN 15025) level A
- Available NBCF (F=fire) protection suit: high protection against fire and heat radiation
- Washable: at 40°C
Shelf-life: min. 10 years



PKI 9765

Fight Suit

This suit has been designed especially against punch weapons. It is particularly effective against hard attacks of special arm- and leg techniques. Due to its especially comfortable design, this fight suit won't constrain the fighter's agility in the case of an attack or defense situation.

Specifications:

- Material: upper shell cotton mixture 300 g/m², in addition firmly tufted with Cordura at chest and back, inner cloth humidity adjusting, stuffing by punch-absorbing fabrics. At chest, back, abdomen, upper and lower arm, tights, shin and calf-bone additional protectors are available made of punch resistant plastics.
- Miscellaneous: excellent flexibility and extraordinary wearing comfort, Velcro and fleece shutters to fix all protectors
- Available sizes: S / M / L / XL



PKI 9770

Underneath Vest

A complete body protecting vest not only consists of protection plates against punch-knife-slash and bullet attacks but of various elements which have to be considered carefully. Besides high protection the vest has to provide a maximum of comfort to the wearer so that it is steadily worn.

Specifications:

- Available colours: black, blue, green
- Protection: against punch and knife-slash
- Knife-slash restraint: 35 Nm
- Note: Use of this vest makes sense when application of guns is highly unlikely. This means areas with personnel access control such as prisons, at court, or major events where special security attention is paid.



PKI 9780**UV-Set**

This UV-set consists in a strong UV-LED light, UV-ink, UV-pen and UV-spray and offers all facilities to convict perpetrators. Once applied on different surfaces and items, the UV-substances remain invisible for the human eye and can only be visualized by means of the strong UV-LED light. This is also the case for texts written with our UV-ink. To do so, just fill the UV-ink into a common fountain pen. If a person touches the UV-marked items, these UV-substances will stick on his hands, fingers or clothes. Afterwards he can easily be identified with the UV-LED light. Of special interest is our UV-spray. Applied onto bank notes, floor grounds, jewelleries etc. it adheres to them during several days and transmits itself to the person that touches them.

Afterwards nothing is easier than to provide evidence with our strong UV-LED light.

Specifications:

- UV-LED light:
Wave-length: 380 - 390 nm
Power supply: 2 x batteries type AA
Dimensions: ø 34 x 176 mm
Weight: 112 g
- UV-pen: ø 10 x 60 mm
- UV-ink: contents 20 ml
- UV-spray: contents 200 ml
- Assembled in an aluminium case of 250 x 200 x 85 mm
- Weight: 1,2 kg

**PKI 9785****UV-Marker Spray**

This invisible UV-spray can easily and inconspicuously be applied on various items to be secured. It remains on the items during several days and sticks on the hands or fingers of the person that touches these marked objects. By means of the UV-torch, that is included in the set, even smallest traces will become visible.

Specifications:

- Contents: 345 ml
- Colour: neutral, turns to green under UV-light
- UV-light, protective gloves and application sticks included.

**PKI 9790****Invisible Theft Detection Set**

These substances will stick on the hands or fingers on contact. Compared with the visual theft detection substances, they only become visible under UV-light. These invisible substances find their application field rather in long-term observation activities of suspicious persons. Even smallest quantities of this powder or paste will become visible under UV-light (included).

Specifications:

- Powder/paste available in the following colours:
neutral, turns to green under UV-light
- Contents: 60 g
- UV-light, protective gloves and application sticks included

**PKI 9795****Computer Data Restorage**

It happens quite often and is unforeseeable: the PC data is destroyed or lost by interference of hard ware, user failure, deletion or data formatting by mistake or virus attacks. But we can offer help! After receipt of your PC we will issue a diagnostic report stating which data could be restored and at which level. Hereafter we will submit a firm offer to you. All data will be restored bit by bit in painstaking detail. Your PC will be opened in clean room in order to realize a 1:1 copy of the hard disk. Afterwards the structure of your file system will be reconstituted and the lost, corrupt or damaged datas is available again. Our forensic scientists will also analyse whether electronic documents are forged, modified or deleted. Please ask us for electronic search for traces and data protection.



PKI 9800

Perpetrator Convincing Kit

Visible perpetrator materials are special powders or pastes that are applied on valuable items like bank-notes, documents, laptops etc. Touching these marked items will create a long-lasting, clearly visible and permanently existing dot on the fingers and hands. Even persistent washing with water and soap cannot remove these stains which easily detect the theft. Invisible perpetrator materials, however, are special powders or pastes which are only visible under special UV-lamps (like our **PKI 5405**) and are invisible to the naked human eye. With the **PKI 9800**, we offer a complete set of every necessary material for a rapid and effective perception of perpetrators. Other companies only offer single components which then have to be assembled to a workable kit. Our complete case **PKI 9800**

offers all this in a "all-in-one" assembly of state-of-the-art materials, guarantying that each government department is perfectly equipped with an outstanding assortment of visible and invisible powders and pastes plus every necessary tool in order to identify the perpetrator.

Specifications:

- Coloured powders and pastes, black, red, green, yellow, silver and copper for the visible marking
- Powders and pastes for the invisible marking incl. mini-UVlamp, application sticks and protective gloves and various fingerprint-lifting foils and marking crayon



PKI 9805

Explosives Test Kit

The **PKI 9805** is in service with many governments all over the world and is designed and assembled as an exclusive and extremely cost-effective and easy-to-use system for detection of all types of military and other explosives. Due to its minimized false alarm rate and low price ratio it is delivered to security forces in far greater numbers than conventional explosive detectors, which tend to be expensive and usually require a technically trained operator. Each **PKI 9805** comes with a clearly comprehensible set of instruction manuals so that an operator without any technical background - can immediately use the test kit in an operational environment. The complete kit is fitted in a sturdy plastic carrying and storage case with every necessary tool for an immediate and on the spot testing.



Specifications:

The complete set of the **PKI 9805** is containing the test devices for:

- SEMTEX
- C4
- TNT
- RDX
- PETN

in less than three minutes, providing a fast and extremely accurate result.

For home-made explosives a separate kit - the **PKI 9805/A** - is also available.

Please ask us for full information about this set.

PKI 9810

Bomb Search Kit

The **PKI 9810** is an inexpensive kit designed for IED search operations. It provides a range of tools for carrying out general searches in buildings, ships and vehicles and contains a portable endoscope/boroscope, a portable hand lamp, a portable drill as well as an assortment of tools. Whenever immediate visual inspection behind walls and panelling is required, the portable drill enables inspection via holes to be drilled through all types of material, allowing rapid internal and visual inspection by means of the supplied endoscope and hand lamp. Large and small inspection mirrors are also included to facilitate searches in confined spaces. The kit furthermore provides a range of tools for removing panelling and covers and is suitable for carrying out general searches in vehicles and ships as normally having to be done by customs authorities.



Specifications:

- Portable endoscope/boroscope
- Portable drill set and bits
- Portable hand lamp
- 63 piece socket set & bits
- 25 piece hexagon spanner set, metric and imperial
- 24 piece combination spanner, metric and imperial
- Vehicle door trim/panel removing tool
- Combination pliers 7" insulated
- Telescopic search mirror pole
- Mirror to fit telescopic pole - 63.5 mm diam.
- Dental mirror - 22 mm diam.
- Adjustable spanner - 300 mm
- Wrecking bar 340 x 45 mm
- Safety torch - suitable for zone 0, 2xD cell
- Screwdriver - 400 mm, 5.5 mm flat tip
- Screwdriver - 400 mm, 8 mm flat tip

PKI 9815

Body Cooling System

The **PKI 9815** is designed to keep the whole body cool in high ambient temperatures using iced water to remove body heat. **PKI 9815** offers a safe and cool environment for people who must maintain a high level of efficiency and concentration under extreme heat. When wearing heavy protective clothing - such as our bomb protection suit **PKI 9820** - or when particularly strenuous work has to be maintained over a long period in hot and humid environments (like firefighters, personnel in non-air-conditioned armoured vehicles, mineworkers etc.), the **PKI 9815** is the right choice. Made from flame-retardant, knitted material it is ideal for IED-, EOD-, surveillance and chemical clean-up operations in hot climates. The suit requires no hazardous pressurised canister or toxic cooling agent and also offers protection against heat and flash fire balls. The one-piece suit covers the trunk of the body, the upper arm and upper leg areas and the head (close fitting/open faced hood).

It comes as a complete system with:

- 12 VDC pump
- 1.5 kg iced water bottles
- Rechargeable batteries
- Charger

One size fits all!

Specifications:

- Heat removal rate 270 Watts (full suit)
- Endurance min 45 min at 35°C
- Weight:
 - Suit - 1 kg
 - Cooling unit dry - 0.5 kg
 - Water - 0.7 kg
 - Battery Pack - 0.5 kg
- Material stretch flame retardant fabric
- Cooling unit
 - Pump - 12 VDC
 - Cooling source - ice cubes and water. Second water/ice bottle is supplied as stand-by


PKI 9820

Bomb Protection Suit

The **PKI 9820** is a new and state-of-the-art, up-armoured suit which already is in use at many government departments worldwide. It provides the highest protection level of all bomb suits currently manufactured, whilst at the same time offering maximum comfort and flexibility to the operator. The ballistic levels and materials used in the various components of the **PKI 9820** are tested and evaluated according to the full quality assurance standard laid down by the appropriate government organisations.

The suit consists of the following separate items:

- Jacket with attached collar
- Trousers
- Helmet with visor and air-cooling fan
- Separate overshoes
- Neck protection plate
- Chest protection plate
- Groin protection plate

All the ballistic inserts used in the **PKI 9820** are made of waterproof treated KEVLAR-HT which are enclosed in a special water-resistant and anti-ultraviolet membrane. The outer cover is supplied in flame-retarding NOMEX III. In hot and humid countries the **PKI 9820** can be supplied in conjunction with the **PKI 9815** Body Cooling System.

Materials

Helmet: GRP skin with elastomeric aramid core and inner lining (adjustable to various sizes), integrated microphone/earpiece with extension

lead for connection to any radio transceiver, ambient sound facility, air cooling fan, helmet mounted torch with rechargeable batteries, anti-ballistic hardened acrylic/polycarbonate laminate visor, aluminium carrying case.

Jacket & Trousers: Ballistic inserts: multi-layer water-repellent Kevlar 129 HT, Outer cover: Fire-retardant cotton. Colour: Navy blue or Military green. Proprietary: Armoured steel plates with closed cell, linear foam

Specifications:

- Outer Cover NOMEX III
 - Insert KEVLAR 129 HT, spinal protector, neck protector,
 - Suit 600 m/s (without armoured blast plates)
 - Weight of suit approx. 26 kg with steel blast plate approx. 15 kg without blast plates
 - Weight of helmet approx. 4.7 kg
 - Armoured Blast Plates 1600 ms (groin, chest and neck)
 - Helmet 600 ms
 - Visor 740 ms anti-ballistic hardened acrylic/polycarbonate laminate
 - Power Pack 12 VDC with auxiliary socket to power
 - Air blower min. 200 litres per minute, 3 speed, can accommodate an NBC canister
 - Optional accessories helmet-mounted torch or video camera.
- For these 220 VAC or 12 VDC provides 90% recharge within 15 min.



PKI 9825

Search Suit

The **PKI 9825** has been designed specifically for personnel involved in searching and clearing of mines and terrorist explosives devices. As a lightweight search suit, it fills the gap between our Bomb Protection Suit and conventional clothing in cases where maximum protection is not necessary or where greater freedom of movement is required. It is suitable for most EOD search projects, affording a high degree of ballistic protection whilst not encumbering the wearer unduly. The outer material of the **PKI 9825** is constructed of fire-retardant NOMEX III and includes the latest KEVLAR fibres technology. A steel plate is available as an optional extra.

Components

Arms: Separate adjustable sleeves provide optimum movement.

Jacket: Provides front, back, side, shoulder and neck protection, with addition of up-armouring pockets for inserting optional ceramic or armoured steel plates.

Groin protector: Removable insert.

Trousers: The unique design provides freedom of movement and optimum protection of the legs.

Helmet & Visor: These, in conjunction with the search suit's high collar, provide maximum protection.

Specifications:

- Arms, jacket, groin protector and trousers V 50 (17 grain FSP) – 475 m/s
- Helmet V 50 (17 grain FSP) – 450 m/s
- Visor Acrylic/Polycarbonate V 50 (17 grain FSP) – 450 m/s
- Colour Navy blue or olive green



PKI 9830

Robotic Telescope Manipulator

The new **PKI 9830** has been developed by **PKI ELECTRONIC INTELLIGENCE GmbH**, in close cooperation with experts from all over the world. It allows EOD operators to manipulate suspect devices and objects at a secure distance of 3 meters. This significantly increases the operator's security if a device should detonate. **PKI 9830** is made of tube sections being linked together with a powered claw attachment at the operating end. A counterweight tube assembly which balances the manipulator is behind the operator. The final section has a frangible joint, which fails in the event of an unplanned detonation. This ensures that the load, transferred to the operator, is reduced to its minimum. An optional fragment shield, in front of the operator, offers extended protection. The claws of the **PKI 9830** opens, closes and rotates under power control. The angle is adjusted manually with locking screws.

The whole manipulator can be folded a size fitting in a standard Pelican carrying case.



Specifications:

- Distance between operator and claw 3 meters
- Maximum lift weight up to 15 kg
- Claw rotation 360° continuous
- Claw opening max. 200 mm
- Manipulator weight 21.5 kg, folded and stored in case, 14 kg assembled and ready for use
- Claw anodised 6082 aluminium
- Tubes anodised 6082 aluminium, total number

- 8 pieces (5 pieces in front of the operator, 3 pieces behind the operator with counter balance), connected by polyacetal tapered locking collars
- Electrical connectors gold plated, 5 Amp, 24 strand, 0.2 mm diam.
- Claw control Non-latching toggle switches plus adjustable load control by potentiometer

- Counterweight Stainless steel – approx. 10 kg
- Motor specification 9Amp carbon brush
- Charger 110/240 VAC – plug style to suit end user
- Battery 12 VDC, 3 Ah nickel metal hydride

PKI 9835

Tactical EOD Shield

The **PKI 9835** has been developed for the use by explosive disposal and tactical teams. Years of research and attention to details finally have resulted in a highly protective shield with outstanding manoeuvrability, being now available with the **PKI 9835**, and already in use in many countries throughout the world. It provides a maximum protection against overpressure and fragmentation during explosive disposal operations whilst being light enough to be held with one hand. This shield is equipped with removable spring-loaded legs making it self-supporting for lengthy operations. In the stowed position, the legs latch into the edge of the shield for easy storage and manoeuvrability. Just one quick push releases the supporting legs into the deployed position, allowing the shield to be self-supporting.

Specifications:

- Materials Multiple layer, compression moulded, KEVLAR composite laminate Ballistic Visor -LEXAN
- Ballistic protection V-50 rating as per NATO STANAG 2920, 555 m/s (ballistic protection against firearms available upon request)
- Impact attenuation Forehead and forearm impact attenuating by special shock absorbing

foam-pads built into the inside surface of the shield. These are designed to absorb shocks from fragments, bullets and pressure-wave impacts.

- Dimensions 130 x 76 cm
- Weight
Shield - 13.5 kg
Spring loaded legs - 1.6 kg
Optional shoulder harness - 1.0 kg
- Handles The shield includes interchangeable handles (forearm and hand) to facilitate left or right handed approaches, or a vertical mounted strap and foldaway handle system. Other handle configurations are available
- Colour Standard matt black (other colours upon request)



PKI 9840

Bomb Suppression Blanket & Safety Circle

The **PKI 9840** is the most cost-effective and easy to use equipment currently available for protection against fragments and shrapnel from explosive devices. It has been designed for the use by both unskilled personnel as well as skilled Explosives Ordnance Disposal (EOD) operators, when confronted with a suspect explosive device in public area. **PKI 9840** is already in use at many armed forces, police units, government and corporate offices etc. in numerous countries worldwide. The **PKI 9840** safety circle is placed around the suspect bomb and then the bomb blanket, which has four heavy-duty webbing carrying handles, is carefully placed over the safety circle surrounding the bomb. This eliminates any direct contact with the bomb and provides a safe environment for its examination and disposal. Two or more safety circles can be used together for larger bomb devices. Should the bomb explode, the safety circle directs the force of the explosion upwards, then the bomb blanket flexes and detains most of the fragments. The **PKI 9840** is a light-weight, highly protective equipment made out of multiple-layer ballistic material and folds up into a compact, easily portable bag.

Specifications:

- Size 1.5 x 2.0 meters
- Weight approx. 13.5 kg
- Protection level
V 50 (17 grain FSP) - 400 m/s
Different sizes and protection levels can be made on order



PKI 9845

Postal Bomb Container

The **PKI 9845** is designed for protection of targeted people as well as for ordinary staff, handling suspicious mails. As postal bombs, whether real or imagined, are an omnipresent problem, the identification of such suspicious items in the daily mail is vital. But even when this is successfully done, there still remains the problem of how to minimise the danger to personnel and property. For this the **PKI 9845** offers the right solution, as it is specially developed for this purpose and being the most cost-effective product in the world market. It is already in use at many government departments, police stations, EOD-teams and other large industrial companies worldwide. The container is designed to retain any suspicious item of mail in an upright position. An internally fitted net holds the item in such a position that

removal, X-Ray scanning and controlled explosion remain possible. The **PKI 9845** is made of special glass re-enforced plastic material with additional fire-resistant resin and it is large enough to accommodate a briefcase. Blast will be directed upwards and an explosion device of up to 0.5 kg can be absorbed. Most explosive devices that have been discovered so far did not contain more than 0.5 kg of explosive material.

Specifications:

- Height: 900 mm
- Outside diameter: 493 mm
- Thickness of container's wall: 18-19 mm
- Weight: approx. 50 kg
- Ballistic protection: V 50 at 480 m/s
- Colour: matt black
- Shelf-life: not less than 10 years



PKI 9850

Observation Vehicle

- State-of-the-art vehicle
- Fully equipped with audio/video observation devices according to buyer's request

The **PKI 9850** should be used by police, special forces, security forces, border guards etc. in order to control mass happenings as well as extreme situations, disasters, rescue operations and border protection. The **PKI 9850** has been developed in response to the market's needs and we hereby created and present a fully equipped observation vehicle for any observation task. This mobile monitoring centre is based on the most technically advanced CCTV equipment and will be supplied with discreet monitoring, editing and recording devices plus high frequency signal transmission and GPR's. The car can be equipped with IR-cameras and directional microphones, if desired by the customer. The configuration of the built-in technologies and equipment depends on the client's needs. It may

vary from simply one camera system with monitor and recording device to the most advanced systems comprising remote control, digital cameras, pneumatically telescopic mast with highdefinition, long-range cameras, GSM and UMTS picture transmission, satellite communication and integration with existing monitoring and command centres. The crew of the **PKI 9850** can handle each device by independent power supply (either external 230 V power supply, built-in power generator or powercells / accus withconverters). Refrigerator and coffeemaker are supplied as standard.

Specifications:

- As each **PKI 9850** varies according to customer's needs we would like you to contact us with your full list of requirements and we shall work out a personally tailored, complete offer for you.



PKI 9855

Digital Speed Control Device

The **PKI 9855** is the latest generation of police speed laser with outstanding performance and features. It has been updated to provide a larger range, a quicker target detection and a mode for inclement weather, guaranteeing that the **PKI 9855** can be operated even in bad weather incl. snow, rain and fog. **PKI 9855** is the only laser on the market to provide the user with information on both speed and range, in the heads-up display. This informs the operator of the distance of every target, without having to check the LCD constantly. The **PKI 9855** is totally user-friendly as all the keys are back lighted and clearly labelled. Each key has an obvious and clear function. **PKI 9855** generates a continuous Doppler-type audio tone which correlates to the target speed - just like the audio on a police radar. This audio is a substantial aid to

understanding and building a target tracking history providing a better evidentiary case for citations. Various accessories are available:

- Waterproof carrying case
- Large heavy-duty tripod
- Side window stabilisation head
- Shoulder stock stabilisation head
- Smart charging platform
- Double capacity NiMH battery handle
- NiCad battery handle
- 12 VDC corded handle

Specifications:

- Acquisition time less than 0.4 seconds
- Nominal range min – 2 m, max – 1.200 m
- Range accuracy less than or equal 1/3 m
- Speed measure +/- 2 kph to +/- 480 kph
- Speed accuracy + 1 kph, - 2 kph



- Dimensions 21,8 x 15,3 x 10,7 cm
- Weight 1,7 kg
- Housing metal case with rubber end caps

PKI 9860

Special EOD Vehicle

This special vehicle offers everything that is necessary for bomb disposal. It includes a generator for 220 V and 0,65 KVA. A portable X-ray device for verification of hazardous objects can be connected. You only have to place the potential bomb onto the extendable table behind a steel plate for identification and analysis. The vehicle is equipped with explosive sniffer, metal locating devices, stethoscopes, shovels, picks and much more. Furthermore a complete communication system is built in which can also be delivered in scrambled version on request.

Specifications:

- Van, 5 doors
- Length: approx. 5,99 m
- Entrance door height: 70x50 cm,
- Comes with air condition, position lights, 3 seats in cabin, water tank, two-way radio, tool box with anti-magnetic and explosion protection


PKI 9865

Mine Shoes

The **PKI 9865** Mine Shoes are built on the theory of air cushions, which support the body while reducing the pressure in relation to the minefield.

PKI 9865 Mine Shoes are the culmination of years of research and have been designed and developed by teams who tested and used them in the field. **PKI 9865** represents a totally unique concept enabling the wearer to traverse a mine field over mud, water or any other terrain safely. By simply slipping the compact unit out of his luggage and inflating the air cushions, the user can continue his way within only some seconds. The shoes fold up into a small lightweight package that can easily be stored in a rucksack. The mine shoes are made of sturdy nylon, nylon-reinforced PVC, coated aluminium and steel alloys. The five-air-cushions are of specially designed, patented material created for maximum strength and resiliency.


Specifications:

- Fully inflatable/deflatable within seconds
- Foldable into a small pack 360 x 160 x 120 mm
- Lightweight 2.3 kg
- Completely portable
- Made of tough nylon, nylon reinforced PVC; air

cushions of PVC L 152 type, upper rigid frame of aluminium and steel alloys. Self-locking, error-proof device with no moving parts

- Metallic parts will not interfere with mine detectors or any other metal detectors.

PKI 9870

Magnetic Locator

The **PKI 9870** is the No. 1 around the world in performance and reliability of detectors for location of the magnetic field of iron and steel objects and energised power lines. It has an easy to read digital and bar graph display for signal strength and polarity and provides audio detection signals that peak in frequency when the locator's tip is held directly over the target.

Designed for one-hand operations, the ON/OFF/SENSITIVITY and VOLUME controls are located on the underside of the cover. This provides easy access, protects the knobs and contributes to their overall ruggedness and dependability. Once a target is located by using the audio signal, the digital readout and polarity indicator will help to visually pinpoint it and to determine its orientation, whether the pipes are vertical or horizontal.

- One-hand operation
- Digital readout and expanding bar graph display for signal strength and polarity
- Four sensitivity settings
- Piezoelectric speaker
- Analogue output for data logger entry using

- headset jack and standard stereo audio plug
- No response to aluminium, brass or copper

Specifications:

- Audio mode choice of two modes:
 - “Mode B” - audio signal always present
 - “Mode A” - audio signal is only present when locator is within detection range of a target.
- Signal strength and Polarity four settings for sensitivity read out by a 3-digit LCD readout
- Battery status digitally indicated on bar graph
- Operating time approx. 60 hours on 2 Lithium 9-Volt batteries
- Dimensions approx. 8 x 8 x 100 cm
- Weight approx. 3.2 kg
- Carrying case rugged case for storage and transportation



PKI 9875

Cable Locator

The **PKI 9875** is the latest development of metal and cable detectors and is designed to detect the presence of both buried and surface laid command cables or wires that could be used to activate Improvised Explosive Devices (IEDs). **PKI 9875** is lightweight, durable and easy to operate. It has a unique ergonomic design, i.e. the operator can use it for long periods in all types of terrain without wearing out. **PKI 9875** is powered by 3 standard LR20 batteries, providing an 8-hours continuous operation. It is packed in a sturdy IP67-rated transportation case. During operation the unit can be carried in the supplied, water-resistant rucksack.

Specifications:

- Weight:
 - short version - 0,9 kg
 - long version - 1,2 kg
- Weight complete in transportation case: approx. 4,0 kg



PKI 9880

Explosive Ordnance Disruptor

The **PKI 9880** is a well proven device developed for SWAT-Teams, Special Police and Military Forces or any other EOD and IED teams. It is extensively used all over the world and is designed to disrupt improvised explosive devices (IEDs) in thin-walled packages, and offers a high probability of avoiding the detonation or explosion of the suspect device. Being a multi-shot device, **PKI 9880** is capable of many firings without any distortion of the main body and requires a minimum maintenance. Training of EOD personnel can be carried out using the equipment without detriment to its performance. This disruptor is to be positioned by using an anti-roll clamp or an optional, lightweight stand to ensure accurate positioning. It can easily be fitted to a remotely operated vehicle. Preparation of the unit can be carried out behind covers, or away from the vicinity of the IED to ensure the operator's safety. **PKI 9880** is constructed from anti-corrosive, precision-made machine parts which are subject to rigid quality control during manufacture. The main body material is subject to the flaw material requirements of international standards. The complete kit is supplied in a canvas bag with stitched pockets to secure all items supplied:

- split sleeve adaptor
- contact cover
- disruptor main body
- disruptor rear body
- water bottle
- loading tool
- cleaning brush
- cleaning rod
- screw drivers
- anti-roll clamp



Cartridges are supplied in multiples of 20, packed in H83 containers, complete with internal furniture pistons, closure caps and polythene bags

Specifications:

- Total weight: approx. 4 kg

- Overall length of barrel: 485 mm
- Weight of barrel: approx. 2.95 kg
- Canvas bag: 500 x 300 x 200 mm, colour olive green

PKI 9885

Surface Penetrating Radar

The **PKI 9885** is a revolutionary, high-performance system designed for detecting any object concealed under the ground or behind walls. It has been designed according to the specific requests of several government authorities worldwide and is now in full operation with Police, Military, VIP-protection and commercial companies. The unit is completely weatherproof and can operate in any type of soil condition. Depth of detection depends on size of object and type of soil, but is typically up to 3 meters.

The complete system consists of 3 main parts:

- the controller (which in fact is a ruggedised personal computer)
- the antenna set
- the transmitter/receiver head, which transmits the information from the antenna to the controller

The **PKI 9885** works by sending out pulses of electromagnetic energy and detecting the electrical echo caused by dielectric differences within the surface being investigated. One of the main features is that during a search, as the antenna is moved across a surface, the data is shown in colour and in real time on the monitor.



This means that an anomaly beneath the surface can be seen immediately whenever the **PKI 9885** passes over it, thus making instant and on-site decisions possible. The data can be downloaded and printed on a paper-strip or stored on the hard disc for further processing or inclusion in a survey report. The standard system is supplied with a 500 MHz antenna which has a typical penetration depth of 1.5 to 2.5 meters in good conditions, i.e. where sand and peat are good and salt water and clay are poor. The other

antennas in the range are the 250 MHz (typical penetration depth of 2.5 to 4.5 meters) and the 1 GHz and 2 GHz antennas. As a general guide, the lower frequency antennas (250 and 500 MHz) are normally used for work below ground and the higher frequency for work above the ground. Important to know is that as soon as the penetration depth increases, the resolution will decrease. Hence the 1 GHz and 2 GHz antennas are very useful for locating very small objects behind a surface - such as a wall.

PKI 9890

Explosive Isolation Unit

The Explosive Isolation unit is a simple-to-use and intrinsically safe steel box developed for safe confinement of postal bombs, explosives and IED devices. It is lined with a unique blast attenuation material that resembles a "sponge" to absorb blast and fragments. These are contained within the unit, thus allowing for the fast and effective collection of forensic evidence if required.

Specifications:

- External size: 630 x 650 x 680 mm
- Inner size: 475 x 380 x 350 mm
- Weight: 100 kg


PKI 9895

Protected Trash Can

The **PKI** Protected Trash Can provides 360° lateral protection against blast pressure and fragments. It is used all over the world in airports, trains and subway stations, street markets, sport stadiums, government buildings and public areas. This trash can save lives and protect against serious injuries, as well as against contact and center detonation. **PKI** Trash Can is also designed as a secure depository for temporary storage of suspicious objects until authorities arrive.

Specifications:

- Dimensions:
 - diam. 450 mm - 790 mm
 - height: 750 - 1050 mm
- Weight: 140 - 920 kg
- Colours: red and stainless steel
- Note: Of course, the **PKI** Trash Can can also be used as a normal trash-can.



PKI 9900

Theft Evidence Kit

PKI 9900 has especially been designed for mobile and on-site use whenever doubts exist and the investigator needs evidences. This aluminium case contains the most important tools and materials to collect such evidences in order to convict the theft.

Contents:

- 1 pce Mobile tube with lamp, battery and charger
- 1 pce Neon-bulb for tube lamp
- 1 pce UV-bulb for tube lamp
- 1 pce UV-light sensitive ink
- 1 pce UV-light sensitive ink, quick drying
- 1 pce UV-light sensitive paste, white/blue
- 1 pce UV-light sensitive paste, orange/red

- 1 pce UV-light sensitive paste, white
- 3 pcs UV-light sensitive crayon, water resistant
- 1 pce Crayon holder
- 1 pce Colour-transfer powder, violet/red
- 1 pce Colour-transfer powder, green/turquoise
- 1 pce Colour-transfer powder, violet
- 1 pce Colour-transfer powder, blue
- 1 pce Colour-transfer powder, lilac
- 5 pairs Disposable gloves
- 1 pce Detergent

Specifications:

- Weight: approx. 5.5 kg, including the aluminium case
- Dimensions: 46 x 35 x 16 cm



PKI 9905

Tire- and Footprint Investigation Kit

PKI 9905 is highly suitable for the investigator to make individual casts of foot- and tireprints in sand, mud, snow or any other surface where traces remain on the ground. Each necessary tool and material is stowed in a sturdy aluminium case, designed for the use at site and in mobile operations.

Contents:

- 1 pce protecting spray for prints
- 1 pce special oil spray
- 1 pce wire netting
- 2 pcs mixing-bowls
- 1 pce wide-neck bottle, small
- 1 pce wide-neck bottle, large
- 1 pce wide-neck bottle, large, filled with printlifting mixture

- 1 pce diffusor for printing powder
- 1 pce shake sieve
- 2 pcs casting strips
- 1 pce forceps, large size
- 1 set screwdrivers
- 1 pce foot rule
- 1 pce stirring rod for mixing bowls
- 1 pce pocket saw
- 1 pce pair of scissors
- 1 pce disposable towels
- 5 pairs disposable gloves
- 5 pcs pull-string bags, large size
- 5 pcs pull-string bags, medium size
- 1 pce spatula, medium size
- 1 pce spatula, small size
- 1 pce protection foil
- 1 pce footprint lifting tape



PKI 9910

Standard Scene of Crime Investigation Kit

The contents of the **PKI 9910** meet the basic requirements for securing evidence at the scene of crime. Each necessary part is packed in a rigid, handy case and provides the full scope of tools and materials for an immediate action at site.

Contents:

- 1 pce glass cutter
- 1 pce post mortem spoon
- 1 pce splinter forceps
- 1 pce pair of scissors
- 1 pcs nail cleaner
- 1 pce magnifying glass
- 1 pce forceps, medium size
- 1 pce foot rule
- 1 pce pencil
- 1 pce ball-point pen
- 1 pack self-adhesive labels
- 1 pce magnetic latent finger print kit
- 1 pce booklet, double pages of fingerprint colour foils
- 1 pce marabu brush with diffusor
- 1 pce transparent container with 6 inserts

- 4 pcs glass tubes with lid
- 1 roll fingerprint lifting tape, 10 cm
- 1 roll fingerprint lifting tape, 5 cm
- 1 pce fingerprint colour pad
- 1 pce illuminated magnifying glass

Beside this basic assortment, we can offer an advanced version. For this please see our **PKI 9915** Advanced Scene of Crime Investigation Kit.

Specifications:

- Weight: approx. 6.5 kg, including carrying case
- Dimensions: 51 x 38 x 21 cm



PKI 9915

Advanced Scene of Crime Investigation Kit

Beside our standard kit **PKI 9910** we herewith offer the advanced model **PKI 9915**. The contents of this case almost offer a universal application for investigative work at the scene of crime. Although having an enlarged range of tools and materials, it is still supplied in a handy case.

Contents:

- 1 pce universal pocket knife
- 1 pce ripping chisel, small
- 1 pce hammer
- 1 pce ripping chisel, large
- 1 pce crayon holder
- 1 pce steel rule
- 1 pce oil crayon for crayon holder
- 1 pce compass
- 1 pce universal pliers
- 1 pce first-Aid kit
- 1 pce wire scissors
- 2 pcs transparent container, small
- 1 pce glass cutter
- 2 pcs wide-neck bottles
- 1 pce pointed pliers
- 1 pce bottle with pipette
- 1 pce post mortem spoon
- 1 pce glass stirring rod
- 1 pce horse-shoe magnet
- 1 pce measuring spoon
- 1 pce splinter forceps
- 1 pce voltage tester
- 1 pce pair of scissors
- 1 pce transparent container with 6 inserts
- 1 pce small chisel
- 1 pce transparent container, large
- 1 pce nail cleaner
- 1 pce transparent container w. sliding lid



- 1 pce magnifying glass
- 1 pce forceps, medium size
- 1 pce foot rule
- 1 pce plumber pliers
- 1 pce pencil
- 1 pce pocket saw
- 1 pce ball-point pen
- 7 pcs glass tubes with lid
- 1 pack self-adhesive labels
- 1 roll polypropylene string, green
- 1 pce magnetic latent finger print kit
- 1 roll polypropylene string, red
- 1 pce caliper
- 1 roll polypropylene string, blue
- 1 pce booklet w. double pages of fingerprint foils
- 2 pairs disposable gloves

- 1 pce marabu brush with diffusor
- 5 pairs disposable gloves, extra strong
- 1 pce zephyr brush with diffusor
- 10 pcs closure bags
- 10 pcs impregnated cleaning towels
- 5 pcs pull-string bags, medium size
- 1 pce flashlight
- 5 pcs pull-string bags, large size
- 1 set screwdrivers
- 1 roll fingerprint lifting tape, 5 cm
- 1 pce flat file
- 1 roll fingerprint lifting tape, 10 cm

Specifications:

- Weight: 11 kg, including carrying case
- Dimensions: 51 x 38 x 21,5 cm

PKI 9920

Fire Investigation Kit

The combination of tools and materials in this kit has especially been designed for officials working on cases of fire and having to determine the cause. Each and every necessary part is securely packed in a sturdy aluminium case.

Contents:

- 1 pce combined volt/ohmmeter
- 10 pcs impregnated cleaning towels
- 1 pce compass
- 1 pce powder container
- 1 pce voltage tester brushes
- 1 pce steel measuring tape, 10 m
- 1 roll insulating tape
- 1 pce steel measuring tape, 2m
- 5 pairs disposable gloves
- 1 pce marking set, consisting of
- 10 pcs closure bags
- 10 x pointed rods
- 5 pcs pull-string bag, large size
- 5 x positioning legs
- 5 pcs pull-string bag, medium size
- 1 x number set, 1-20
- 1 pce mobile tube lamp
- 1 pce witing and drawing map

- 1 pce ripping chisel
- 1 pce hammer
- 1 pce pair of scissors
- 1 pce universal knife
- 1 pce splinter forceps
- 1 pce crayon holder
- 1 pce oil crayon for crayon holder
- 1 pce glass cutter
- 1 pce foot rule
- 1 pce magnifying glass
- 1 pce pointed pliers
- 1 pce combination pliers
- 1 pce screwdriver set
- 1 pce post mortem spoon
- 9 pcs glass tubes with lid
- 1 pce candle with holder
- 1 pce plumber pliers
- 3 pcs wide-neck bottle
- 1 pce transparent container with 6 inserts
- 1 pce hand saw with 3 inserts

Specifications:

- Weight: 12,5 kg, including carrying case
- Dimensions: 51 x 38 x 21 cm



PKI 9925

Narcotics Investigation Kit

PKI 9925 enables the drug investigator to verify suspicious goods on site. The results allow to determine if further investigative work is required. The complete kit comes in a handy aluminium case, which can easily be carried and handled.

Contents:

- 1 pce narcotic traces sweeper with accessories
- 1 pce package drug test "A" (10 per pack)
- 1 pce drug-quick-test
- 1 pce package drug test "B" (10 per pack)
- 1 pce hand drill tool
- 1 pce package drug test "D" (10 per pack)
- 1 pce magnifying glass, small size
- 1 pce package drug test "E" (10 per pack)
- 1 pce forceps, small size
- 1 pce package drug test "G" (10 per pack)
- 1 pce pair of scissors
- 1 pce package drug test "K" (10 per pack)
- 1 pce sample spoon
- 1 pce scalpel
- 1 pce universal knife
- 1 pce one-way syringe
- 1 pce chemical spoon, double
- 1 pce soap
- 1 pce one-way scalpel
- 1 pce forceps, medium size



- 1 pce one-way syringe with cannula
- 1 pce pair of scissors
- 1 pce package of round filters
- 1 pce bottle cleaner brush
- 1 pce drill with 2 inserts, small size
- 1 pce universal pocket knife
- 1 pce magnifying glass, large size
- 3 pcs pipette bottle

- 1 pce transparent container with sliding lid
- 1 pce transparent container, large size
- 2 pcs transparent container with 6 inserts
- 1 pce package of closure bags

Specifications:

- Weight: 10,5 kg, including carrying case
- Dimensions: 51 x 38 x 21 cm

PKI 9930

Rapid Analysing Kit

The **PKI 9930** is designed for analysis of environmental parameters directly at the measuring point. It is used for determination and measurement of nitride, nitrate, ammonium, free chlorine/halogen, chromate, free cyanamide, fluorides, copper, nickel, lipophilic agents (oil/fats), phenols, pH-value, sulphite, zinc etc. The complete kit is packed in a sturdy aluminium case, easy to handle and providing each necessary tool and material for on-site investigation.

Contents:

- 5 pcs wide-neck bottles, PE, 1 litre
- 5 pcs wide-neck bottles, Glass, 1 litre
- 1 pce bottle support/holder for 6 bottles
- 1 pce probe sampling device with telescopic handle
- 1 pce funnel
- 1 pce thermometer -50°C to + 150°C
- 1 pack pH-test strips (200 pcs)
- 1 pack oil-testing strips (100 pcs)
- 1 pce felt pen, black
- 1 pce felt pen, orange
- 1 pce felt pen, blue
- 1 pce felt pen, green
- 30 pcs mini grip bags, various sizes
- 1 pce pair of scissors
- 1 set adhesive labels, different sizes
- 2 pairs protective gloves, rubber, colour red
- 5 pairs disposal gloves
- 1 pce hygienic towel
- 1 pce clipboard
- 1 pce protective eye-glasses

- 1 pce shovel, small
- 1 pce spoon spatula
- 1 pce protective foil
- 1 pce water canister

Specifications:

- Weight 14,5 kg, including carrying case
- Dimensions 63,5 x 43,5 x 25,5 cm



PKI 9935

Two-Line-Rigging Kit

This two-line rigging Kit is combining multiple access and disposal capabilities into one single highly effective unit. The equipment can be deployed in a wide range of IEDD scenarios involving buildings, vehicles and urban/rural locations. An excellent stand-alone kit, featuring an extensive range of components that easily achieves the essential functions of movement, attachment, anchoring, reach and manipulation and handling.

The kit comprises:

- a total of 100 components with over 30 component types for different use
- two color-coded, high strength, low stretch core lines
- robust reels with winding handle, brake and adjustable clutch
- reel bags, to protect the lines and reels, also to provide utmost carrying capacity
- high strength, heat-treated hooks
- standard and break-away pulleys for changing the movement direction
- standard pulleys for rigging in combination to improve mechanical solidity
- unique heavy duty jet clamp anchor for clamping to door/window frames
- heavy duty cantilever-designed crocodile clamps for attaching to heavy sheet materials
- full technical instruction manual


PKI 9940

EOD / IEDD Rigging Kits

This lightweight EOD/IEDD rigging kit consists in specialist equipment suitable for both semi-remote and manual stages of an IEDD task. It permits rapid and straightforward deployment. Its ability to deploy the various components quickly in all operational settings is possible due to the use of a custom-designed backpack. This backpack provides dedicated stowage for the comprehensive rigging kit, as well as other essential EOD/IEDD items. The stowage pockets inside the main compartment can be re-configured easily by the user according to personal needs.

The EOD/IEDD rigging kit comprises:
Movement:

main line, secondary line

Attachment and anchoring:

hooks and eyes, lightweight spring grip, vice jaw grip, self-adhesive anchor pads, suction anchors, shock cord, seizers, rope and wire slings, pitons, karabiners, grip, D-clamp, stoppers, screw eye, door stops

Reach: extension rods, telescopic arm and hooks

Manipulation and handling: standard snatch block/pulleys, self-opening snatch block/break-away pulley, splitter ball

Visual search:

tactical search mirror, telescopic arm and mirror

Manual tools: EOD pocket tool kit



PKI 9945

Hook and Line Kit

This hook and line kit comprises a huge variety of components for attaching a line to a suspect IED and then manoeuvring it along a complex route in a single operation. The 120 m line enables the removal operation to be conducted remotely. The kit includes devices for anchoring snatch blocks to floors, walls, windows and door frames, as well as a sledge and telescopic pole. The sledge can be used to improve the manoeuvrability of a suspect object on stairs or rough ground and to prevent snagging at corners. The telescopic pole which extends up to 3 m allows remote fixation of hooks and lines. All components fit into a compact carrying case and can easily be carried by one man leaving one hand free.



Specifications:

- Size: 113 x 56 x 40 cm
- Weight: 25 kg

PKI 9950

Hook and Line Kit No. 1

This hook and line kit consists of:

- 1 x 100 m Kevlar line of 5,5 mm diameter, mounted on a drum with brake and rewind handle
- 1 x anchor line mounted on a steel case
- 1 x auxiliary line
- 12 x snatch blocks
- 2 x pulling handles
- 8 x extension rods
- 12 x perspex collars
- 2 x belt slings
- 4 x hooks, large
- 4 x hooks, medium
- 4 x hooks, small
- 4 x tangs
- 4 x double hooks, medium

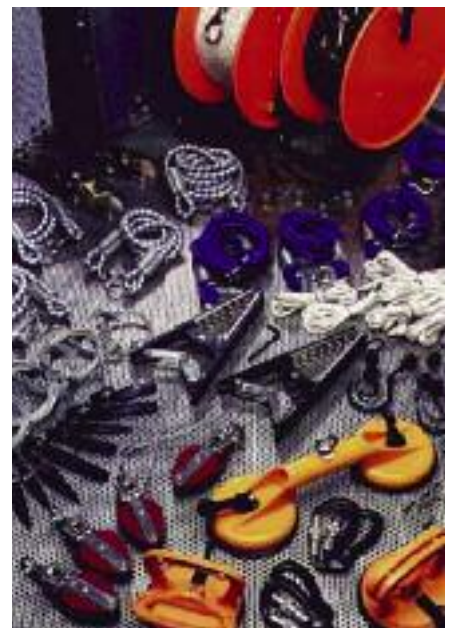


PKI 9955

Hook and Line Kit No. 2

This hook and line kit consists of:

- 2 x reel and line 150 m x 5,5 mm Ø
- 4 x snatch blocks
- 2 x barbed tang hooks
- 2 x 12 mm Ø, single plain tang hooks
- 2 x 25 mm Ø, single plain tang hooks
- 2 x 50 mm Ø, single plain tang hooks
- 2 x 25 mm Ø, double plain tang hooks
- 2 x 25 mm Ø, double barbed tang hooks
- 5 x 25 mm Ø, rings
- 2 x treble tang fish hook with eye
- 2 x 2 m x 3 mm Ø, rope sling
- 2 x 2 m x 4 mm Ø, rope sling
- 2 x 2 m x 5 mm Ø, rope sling
- 2 x 2 m x 1,5 mm Ø, wire sling
- 2 x 2 m x 2 mm Ø, wire sling
- 2 x 2 m x 3 mm Ø, wire sling
- 8 x pitons (various sizes)
- 4 x 15 mm screw gate karabiner
- 1 x double suction pad anchor
- 1 x single suction pad anchor
- 1 x 2 m x 10 mm Ø, shock cord
- 3 x 1 m x 10 mm Ø, shock cord
- 1 x 2 m x 12 mm Ø, shock cord
- 3 x 1 m x 12 mm Ø, shock cord
- 2 x 35 mm jaw length seizers
- 2 x 50 mm self grip
- 1 x self grip anchor
- 1 x metal case



PKI 9960

Hook and Line Kit No. 3

This hook and line kit consists of:

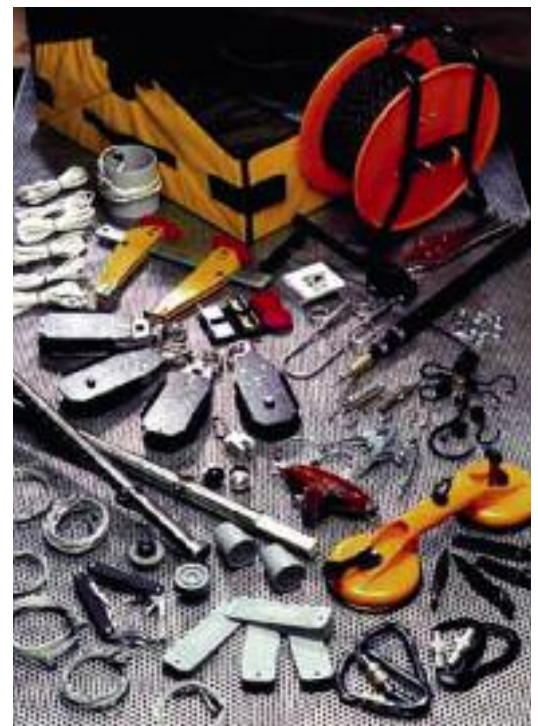
- 1 x line, 100 m long, 5,5 mm Ø, with snap hook
- 1 x anchor line, fitted with snap hooks at both ends
- 1 x hook, small single plain
- 1 x hook, medium single plain
- 2 x hook, medium double plain
- 1 x hook, large single plain
- 1 x hook, 25 mm wide mouth and spring gate
- 1 x hook, 50 mm wide mouth and spring gate
- 4 x 25 mm eye
- 1 x hook triple barbed with key ring
- 1 x combined telescopic inspection arm and pole
- 1 x triple barb hook mount for tele pole
- 1 x spring gate hook mount for tele pole
- 2 x rope sling, 3 mm Ø x 2 m long
- 2 x rope sling, 4 mm Ø x 2 m long
- 2 x rope sling, 5 mm Ø x 2 m long
- 1 x wire sling, 1,5 mm Ø x 2 m long
- 1 x wire sling, 2,0 mm Ø x 2 m long
- 1 x wire sling, 3,0 mm Ø x 2 m long
- 1 x shock cord, 10 mm Ø x 2 m long
- 1 x shock cord, 10 mm Ø x 1 m long
- 2 x piton large chisel point
- 2 x cantilever clamp
- 1 x self locking forceps
- 1 x self locking "mole grip" with 25 m eye
- 1 x self grip "C" pliers with eye
- 1 x spring loaded self grip clamp
- 4 x karabiner (alloy) 18 mm screwgate 27 kn
- 2 x karabiner (alloy) 25 mm screwgate 27 kn
- 2 x door stop
- 2 x wedge it black
- 1 x wall stopper small
- 1 x wall stopper large
- 15 x sticky eye
- 2 x single suction pad
- 2 x torpedo release
- 2 x extension rods
- 10 x screw eye self tap
- 2 x snatch block
- 2 x auto opening snatch block
- 2 x shackle D shape 13 mm gate
- 1 x pocket search mirror
- 1 x 140 mm Ø stainless steel screw fitting mirror
- 1 x toolkit, in roll up holder
- 1 x small backpack, mounts onto main pack
- 1 x main backpack


PKI 9965

Hook and Line Kit No. 4

This hook and line kit consists of:

- 1 x reel & line 120 m x 5,5 mm Ø
- 5 x snatch block - various
- 2 x splitter ball
- 1 x 12 mm Ø single plain tang hook
- 1 x 25 mm Ø single plain tang hook
- 1 x 50 mm Ø single plain tang hook
- 1 x 25 mm Ø double plain tang hook
- 1 x treble tang hook
- 1 x 25 mm Ø ring
- 2 x 2 m x 3 mm Ø rope sling
- 2 x 2 m x 4 mm Ø rope sling
- 2 x 2 m x 5 mm Ø rope sling
- 2 x 2 m x 1,5 mm Ø wire sling
- 2 x 2 m x 2 mm Ø wire sling
- 2 x 2 m x 3 mm Ø wire sling
- 4 x piton- various
- 1 x mole grip
- 1 x "D" shackle
- 2 x 15 mm opening screw gate karabiner
- 10 x screw eye
- 2 x 25 mm opening screw gate karabiner
- 1 x clamp anchor complete
- 1 x pulling handle
- 2 x door anchor
- 1 x line brancher
- 4 x door wedge
- 1 x telescopic pole
- 1 x rough terrain sledge
- 2 x hooks for telescopic pole
- 1 x double suction pad anchor
- 1 x self grip
- 10 x self sticking anchor
- 1 x 80 x 1400 mm belt sling
- 1 x multi-tool
- 1 x nylon case



PKI 9970

Special Operations Search Kit

This lightweight and highly portable search kit is used for counter-terrorist tasks and other tactical situations. It enables search personnel to deploy with a compact but comprehensive range of search equipment. The **PKI 9970** is the perfect search kit to carry out a wide range of search activities in the most demanding of environments and under hostile tactical conditions if required. The equipment is contained in a specifically designed backpack that offers a comfortable ergonomic design combined with the practicality of equipment stowage. The equipment is laid out and designed to enable search personnel to gain access to the required grouping of equipment quickly and easily. The backpack has also been designed including extra free space, allowing search personnel to insert some of their own personal equipment if required. An additional hardened air transport case is available upon request.



The Special Operations Search Kit comprises:

Illumination:

head and hand held torches

Search:

search mirrors, mirror search arms, telescopic arms, miniature visual search equipment, endoscope

Surveillance:

binoculars, compact camera for night vision

Tools:

socket set, pliers, grips, wrench set, screw drivers, cordless drill and bits, pocket tool

Protection:

coveralls, gloves, goggles

Consumable and sundries:

seals, markers, ties, tapes, shock cords, releasing fluid, line, door wedges

Carrying equipment:

search backpack, thigh pouch, ancillaries, hold all

Optional equipment:

freight/flight container

PKI 9975

Bomb Tec Kit

The Tec Kit is a modern and highly effective rigging kit for bomb technicians and search personnel. The components provide a sound baseline capability, covering all essential functions of a reliable rigging kit in a cost-effective and user-friendly package.

The range of components covers all necessary functions, such as movement, attachment, anchoring, reach and manipulation as well as handling. Used with proven rigging technique the Tec Kit can reduce the operator's risk and improve the efficiency of the task.

The Tec Kit comprises:

- 1 reel c/w dual-purpose transport bag
- 1 main line 120 m
- 1 pulling handle
- 1 12 mm hook plain tip
- 1 25 mm hook plain tip
- 1 50 mm hook plain tip
- 1 25 mm double hook plain tip
- 5 20 mm ring (attaches to hook)
- 1 fish hook, triple tang barbed with eye
- 1 lightweight spring grip
- 1 vice jaw grip
- 10 self adhesive anchor pad
- 1 shock cord, 1 mm diam. 1 m
- 3 extension rod, 300 mm
- 2 rope sling, 4 mm diam. 2 m length



- 1 wire sling 2 mm diam. 2 m length
- 2 piton no. 5, 70 mm
- 2 suction anchor, single pad
- 2 karabiner, 15 mm gate
- 1 grip
- 1 seizer

- 2 rubber door wedge
- 1 wedge it, 3-function door stop with eye
- 2 self-opening snatch block/pulley
- 2 splitter ball
- 2 standard snatch block
- 1 pocket search mirror

PKI 9980

Vehicle Access Kit

Dealing successfully with an IEDD task involving a vehicle can be both physically demanding and technically complex, so that successful execution may require the use of special access equipment. This kit contains a range of field-proven special access tools for use when opening vehicles remotely in order to gain access during IEDD tasks. All items are simple to operate and can be rigged in seconds, thus minimizing the time that the bomb technician remains at risk for a suspect device.

The kit comprises:

- 1 remote window breaker
- 1 door handle lifter
- 2 key/handle clamp
- 1 door button pusher
- 1 multi-purpose clamp


PKI 9985

EOD Operators Tool Kit

This portable tool kit is designed for use by bomb technicians. It contains a comprehensive and high-quality selection of more than 60 hand tools for access, investigation and render safe procedures during EOD/IEDD tasks. The complete kit is supplied in a soft-sided carrying roll with easy-grip handle for convenient access and quick tool selection.

The EOD operators tool kit comprises:

- Screwdriver, flat 3.2 mm X 64
- Screwdriver, Philips 0-PTX75m 3.2 mm
- Screwdrivers, jewellers set of 6
- Wrench, adjustable 150 mm
- Hexagon wrench set
- Vice grip wrench 250 mm
- Pliers combination 180 mm
- Seizers - metal
- Tweezers style 178 mm
- Wire cutters, electrical
- Tin snips universal
- Utility knife heavy duty
- Flexi saw 385 mm
- Mini saw
- Wire strippers 16-26AWG
- Needle files set
- Spring hook C-lift
- Magilite (2x AA cell)
- Battery AA size Alkaline
- Cable ties small /medium 10ea
- Insulated dental mirror 22 mm
- Nylon cord 1.2 mm - 10 m
- Wrecking bar 300 mm
- Claw hammer 453,6 g
- Non conductive probe BLK acetal 6 mm
- Tool roll black cordura



- Screwdriver, flat 5 mm x 100
- Screwdriver Philips 1-PTX75 5.0 mm
- Screwdrivers, TX-Star/Torx set
- Wrench, adjustable 250 mm
- Vice grip wrench 125 mm
- Pliers snipe nose 40 mm
- Pliers adjustable 250 mm
- nbsp;nbsp;
- Tweezers style 2 curved 174 mm
- Wire cutters, fine
- Craft knife
- Blade dispenser heavy duty
- Pad saw + blades
- Mini saw blades 10 pack
- Scissors 150 mm

- Grey rubber door wedge
- Spring hook C-W
- AA7" Bend-a-Beam
- Paint brush 1" dust removal
- PVC insulation tape
- Mirror telescopic/articulated 295/455 mm
- Measuring tape steel 3 m
- Scriber double ended
- Cold chisel engineers 15 x 150 mm approx.
- non conductive probe WHT acetal 6 mm

PKI 9990

Special Operations Tool Kit

The design and construction of this special operations backpack makes it a suitable comprehensive tool kit for any conventional EOD/IEDD team to deploy with.

The internal colour-coded compartments of this tool kit are designed to hold the specific tooling in a range of removable internal pouches and fixed netting compartments. Layout is based on tool set grouping and operational precedents when using manual equipment. The layout may be changed at the operator's discretion. The backpack has also been designed to include extra free space allowing the operator to insert some of their own personal equipment.

All the tools have been selected for their quality and reliability with some of them offering multi role capability to reduce total weight. The tools offer the capabilities for search, access, diagnostics and render safe.

Special operation tool kit comprises:

Search:

head torch, mini hand torch, large hand torch, binoculars, metal detector (multi range)

Access:

cordless drill, including accessories and drill bits, knives, saws, nibbler, gas powered hot knife

Diagnostics:

multimeter and diagnostics cabling attachments, electricians probes, hook retrieval equipment, inspection and pick up tooling, consumable components for diagnostics work, cordless glue gun and a range of adhesives

Render Safe:

screw drivers - electricians and industrial,



sockets and wrench sets, pliers - electricians and industrial, file sets, layout matting, heavy duty tooling - grips, hammer, lifters, wrench bar, electricians tools - strippers, test equipment, tweezers

Optional equipment:
freight/flight container

Carrying equipment:

tool backpack, thigh pouch ancillaries hold all

PKI 9995

Equipment for Fire Brigades and Rescue Service

The following equipment is indispensable for the fight against terrorism. After an attack of terrorists the appropriate technical equipment must of course be available immediately in order to arrange the necessary rescue activities without any delay. As there is a wide range of such equipment, we can only suggest a list indicating a selection of the available products. If you are interested in any of the equipment or vehicles, we shall be pleased to submit you a detailed quotation. As a special service to our customers we also offer second-hand equipment and vehicles for fire brigades and rescue teams.

- fire fighting helmets, lamps for helmets, walkie-talkies, additional accessories for helmets

- protective clothing, boots, gloves, heat protective equipment

- Breathing apparatus sets, thermal imaging cameras, radiation protection, cardiopulmonary resuscitation machines, respirator masks, compressed air bottles, hazmat equipment

- Valves, pressure hoses, siphon pipes, hose reels, couplers, repair sets for hoses

- Fire extinguishers, extinguishing agent, fire blankets, portable extinguishers, immersion pumps, portable pumps etc.

- Power generators, electrical equipment, lamps, spotlight, cable drums, battery charging units

- Audio/visual warning equipment, megaphones, flashing warning lights, warning and traffic management system

- Different types of ladders, rescue equipment, rescue stretchers, ambulance boxes, rescue

blankets, antifall guard equipment, safety belts etc.

- Ventilation systems, rescue cutting tools, motor saws, cut-off saws, drilling machines, cable winches, accessories

- Hydraulic rescue equipment, cutting devices, hydraulic power units, battery-driven rescue equipment, lifting pads

- Equipment for hazardous waste cleanup, catchment tanks, vessels for waste disposal, sealing material, pumps for oil and chemicals, hose pumps, binding agent for oil, oil barriers, high pressure cleaners

PKI 9995

Mobile operation container

Unfortunately there will be many injured persons after a terrorist attack or an earth quake who need immediate help. Hospitals are often working to capacity. This makes our mobile operation container so valuable. The 20' container includes a fully equipped operation room with anaesthesia device, X-ray unit, oxygen tank and air condition. Of course, the container can be equipped according to customer's requirements especially with regard to medication, bandages and medical tools. **PKI 9995** can be used under unfavourable climatic conditions. The air condition with filter against bacteria complies with the hygienic requirements of German hospitals.


Specifications:

- Dimensions: 20' container
- Transport: container van
- Note: Several containers can be combined to a hospital centre.
- Offer: according to your requirements on request

PKI 9995

Fire-fighting Vehicle

In order to extinguish special fires in chemical industry or in warehouses with hazardous products, on airports etc. you need extinguishing powder. **PKI 9995** is especially designed for these purposes and includes 2 tanks with 3000 kg extinguishing powder each. All controlling parts of the extinguishing system are available in the driver's cabin. Two different extinguishing agents are available (powder and foam).

Specifications:

- Tank capacity: 2 x 3000 kg
- Range: 20 m
- Extinguishing powder: 12 kg/s
- Note: special offers on request

Below please find a list of the fire brigade and rescue vehicles which we can deliver new and/or second-hand:

Fire Brigade:

- fire-fighting vehicles
- vehicles for portable pumps
- personnel carrier
- pump water tender
- salvage trucks
- equipment vehicles
(also for hazardous material)
- vehicles for operation controllers
- airport fire-fighting vehicles
- vehicles with turnable ladder

Rescue Services and Others:

- Ambulances
- Mobile intensive car unit
- Catastrophe cars
- Police cars
- Surveillance vehicles

