

Security technology

For law enforcement and security companies

- Walk-through metal detectors and hand-helds for security checkpoints
- Vehicle inspection mirrors
- Metal detectors:
 - forensic police work
- X-ray scanners
- Electronic stethoscopes



EB 607-2

Hand-held metal detector

- Robust design
- Simple to operate
- High detection sensitivity
- Automatic calibration
- Loud audio signal
- Optional vibration alarm
- Optical LED control function

The handheld metal detector EB 607-2 is characterized by its robust metal design and has proved itself internationally in security checks and in particular in penal institutions. The forerunner of 607-2 is widespread by the thousands having performed many years of daily service. They are common at passenger airports, with the police, in prisons, in courts and in the military.

The EB 607-2 handheld can detect items of ferrous and non-ferrous metals as well as alloys and is applied wherever metal objects of some size have to be found, such as in example dangerous knives, knuckle-dusters or parts from weapons and similar. It consists of a tubular aluminum handle with built-in electronics, battery compartment and controls.



EB607-2 for large-scale or long-term usage

EB 607 Z2

Handheld with cylindrical probe

- Detects all kinds of small metal objects
- Precise pinpointing
- Robust metal design
- High detection sensitivity
- Loud audio signal
- Optional vibration mode
- Optical LED control function

For pinpointing very small metal objects in an extremely precise manner, the handheld detector can be supplied with a baton-type probe (Ø 22 mm) EB 607 Z2. The Z-version has proven its particular worth in detailed checks at prisons where very precise and detailed security checks are inalienable. The probe type is also a useful tool to inspect letters, flat parcels and jail cells for illegal or dangerous metal items.



EB 607 Z2 for details security checks

EB 610 C-2

Hand-held metal detector

- Ergonomic design
- Easy to handle
- Automatic adjustment
- Visual/audio signal
- Dynamic/static operation

The EB 610 C-2 cloverleaf hand-held metal detector is the result of a comprehensive design study and features an intelligent mix of technical functionality and convenient handling. Its robust lightweight design makes it ideal for long-term inspection work. This model is equipped with standard functionality, e.g. audio signal for metal detection and visual control of battery voltage.

The detector operates in a dynamic mode which requires a relative movement between detector and metal object. In the case of larger objects the detection mode changes to static.



EB 610 C-2 standard equipment of German riot police

EB 610 DV

Digital hand-held metal detector

- Microcontroller ensures reliability
- Digital functions:
 - Self-test, audio/visual
 - Automatic adjustment
- Digital, inherently stable signal evaluation
- Dynamic/static search operation
- Loud audio signal, tremolo-modulated audio alarm on larger target objects in surroundings with large metal installations, e.g. iron reinforcements

The EB 610 DV is the latest development and provides a 'tremolo' tone and vibration alarm for detecting different metals in close proximity. For example, it will detect a blade behind a metal buckle or a metal object hidden in the sole of a shoe when standing on a metal deck. The search characteristics of the hand-held metal detector EB 610 DV can be modified within wide limits to suit the operator's needs, i.e. it permits operators to work close to each other without there being any mutual interference.

The internal rechargeable battery can be charged via the headset socket or via the fixed mounted ball contacts on the upper end of the search head. The second method avoids all related cable and socket problems.



EB 610 DV optimised for operation at airports

EFIS® 1

Universal inspection mirror

- Lightweight, rugged and weatherproof
- Various mirror heads
- Wheels for large mirror diameters
- Extendable telescopic handle

The lightweight and rugged design of the handheld EFIS® 1 and its ability to be adjusted steplessly make it easy to use in different working conditions.

The light fitted in the mirror enables inspection work to be performed in concealed locations and even in the dark, thus facilitating inspection activities underneath vehicles, in luggage nets and potential hiding places underneath or above items of furniture.

The slightly convex shape of the mirror gives it an enhanced viewing range, thus helping both usual and unusual objects to be identified in a quick, reliable manner.



EFIS® 1 inspection mirror with illumination

EFIS® 4 M

Under vehicle search mirror

- Easy to handle, sturdy, weatherproof
- With illumination
- Wheeled
- Demountable for transportation
- Telescopic handle
- Mechanically adjustable mirror head

The mobile basic model EFIS® 4 M inspection mirror for checking underneath vehicles is a further enhancement to the range of security equipment EBINGER produces. The EFIS® 4 M permits the rapid inspection of any given vehicle. It is robust, easy to handle and reliable and is thus well suited for long-term usage.

The light unit is fitted with ten splashproof lightemitting diodes (LEDs) that make any suspicious modifications to the underside of the vehicle readily visible and easily identifiable.

The EFIS® 4 M is delivered with a mechanically adjustable mirror head.



EFIS® 4 M under-vehicle inspection mirror

EFIS® V

Video inspection unit

- Clear view in both, day and night operation
- Wide extension and adjustment range
- Compact video search head
- Versatile application
- Optional: video recording function
- Infrared camera for night view

Instead of optical mirrors, the EFIS® V employs a miniature CCD camera and a colour monitor. Thanks to the small size of the video head and the wide extension range of the telescopic handle (extendable up to 3 m) even those areas of vehicles, buildings and hollows that are very difficult to access can be inspected easily. The camera can be moved in various directions and tilted by a remote-control knob in the handgrip. For work in poor light conditions or at night the camera can be supplied with LED infrared illumination.



EFIS® V video inspection unit

EFIS® S

Small inspection mirror

- Compact shape
- Foldable
- For daylight and low light conditions
- Multiple application
- 2 mirror heads

The EFIS® S is the basic version within the EBINGER range of inspection mirrors for police and military. It's intended use is the support of an inspection of vehicles at checkpoints and to search boats, aircrafts, trains and parts of buildings etc.

Although of small size when collapsed (pocket version) it can be extended to reach into cavities and voids.

EFIS® S can be used in engine bays and next to electrical wiring as the surface of the device comes with a protective isolation to avoid sparks or short circuits.

EFIS® S is supplied with two mirrors of different size which are very easy to exchange. The telescopic handle can be extended between 30 and 50 cm and carries a powerful LED placed next to the mirror. The device can operate for up to 90 hours on commercial disposable dry cells (AA) or from rechargeable NiMH cells.



EFIS® S in operation

EBEX® 410

Forensic metal detector system

- Set of equipment with flexible usage
- High detection sensitivity
- Detects projectiles and cartridges
- One-knob operation

The EBEX® 410 metal detector was developed especially for forensic police work when inspecting crime scenes for evidence. It facilitates and accelerates detection work.

Metal detection with the EBEX® 410 system is indicated by means of an audio signal with a large frequency shift. The nature of the various signals can provide clues as to the size and distance of the metal object that has been detected.

The system encompasses a variety of detectors in order to cater as precisely as possible for the different types of search operations to be performed, both indoors and outdoors. There are also two different detection coils that can be used – a large one and a small one – depending on the size of the object being sought. The cylinder-type detector enables tiny metal objects to be localised in an extremely accurate manner.



EBEX® 410 metal detector system

EBEX® 2001 CK

Electronic stethoscope

- Flexible “combi” detection system
- Highly sensitive microphones
- Contact-free radar detector for hand-held usage
- New MPS magnetic pulse sensor
- Smoothly adjustable filter/amplification
- Robust design
- Wide range of accessories

The EBEX® 2001 CK electronic stethoscope was developed specifically for detection work in EOD and IODD contexts. It is used essentially to detect mechanical clockwork detonators that can be incorporated in unconventional explosive or incendiary devices (USBV) as well as radio microphones. The main task of the EBEX® 2001 CK is thus to detect weak sound waves.

The unit works on the principle of registering, amplifying and identifying specific sound waves. It has various acoustic sensors at its disposal to cater for a variety of detection remits.



EBEX® 2001 CK for detection of time delay devices in IED and incendiary devices

SC 900 TS

Walk-through metal detector

- Reliably detects ferrous and non-ferrous metals and alloys
- 20 sensitivity levels, each with 246 individual steps
- Visual display and audio indication
- SCADA data exchange using RS-232 interface (optional)
- Interruption-free emergency power supply (approx. 4 h)
- No risk to pregnant women, cardiac pacemakers and magnetic data carriers

The SC 900 TS is an efficient walk-through metal detector which is in conformity with the main international standards (NILECJ-0601 L1-3/IP 54/IEC 348 Class 1 in accordance with CE; certified manufacture in accordance with ISO 9001-2000). It offers a high detection performance: its VLF (very low frequency) technology makes it particularly reliable for the detection of metals and alloys. Operation and handling are particularly easy and user-friendly. It can be used immediately following activation. The electronics are auto-calibrated by a special automatic feature.

The SC 900 TS walk-through metal detector comes with an expanded, uniform detection field comprising horizontal and vertical areas and can accurately detect metal objects in nine different detection zones. Thanks to its compact design, the SC 900 TS walk-through metal detector is easy to transport. For outdoor operation the SC 900 TS-WP (waterproof model) is recommended.



SC 900 TS walk-through metal detector in operation

TR 70 Extra Large

X-ray detector for large objects: packages, boxes, suitcases

- Large inspection chamber capacity
- High-performance with conveyor belt (speed: 0.2 m/s)
- Material identification by means of colour coding
 - Blue: ferrous materials
 - Green: inorganic substances
 - Brown: organic substances
- Filter function for displaying outlines and wires
- Network connection for remote diagnosis and image archiving

The TR 70 Extra Large X-ray detector is an innovation in mail and luggage control. It scans large items of mail, parcels, courier deliveries, boxes and suitcases for sources of danger quickly and reliably. Dangerous and illegal contents such as explosives (e.g. chemical and biological bombs), drugs and weapons are identified and the item removed from the line prior to it being opened. In addition to the brilliant image display and a modern network connection, the TR 70 Extra Large excels in terms of its features that are additionally available: a DEXGIL software package for identifying explosives (in accordance with EU guidelines) and a TIP training program (Threat Image Protection) for the security personnel.

The special feature of the TR 70 Extra Large is its flexible conveyor belt, which allows even large numbers of items to be checked quickly. The entire control unit, including the two screens and additional switches, can be externally operated. A stepless 64 fold zoom simplifies image examination.



TR 70 X-ray detector for large objects



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