

Search and locate



EBEX® 410

Metal detector system

- Significant Advantages
- Particularly versatile
- High detection efficiency
- Rapid detection and location
- Simple operation
- Single button control
- Automatic adjustment to terrain surface
- Alternativley dry battery or NiCad accumulator power supply
- Automatic battery control



Application

EBINGER metal detectors have for more than 40 years been synonymous with efficiency, reliability and quality in the field of police work and security.

Due to the varying search problems, a very versatile and flexible device was developed permitting the use of many individual combinations for a range of applications. For instance, it is possible to ring up a hand-held detector with a search coil or cylindrical probe or a large scale detector unit for the use on open ground as short or long version.

The equipment is easy to operate, sturdy and water resistant. It is applicable in all weather conditions, rain, snow, frost or heat.

The EBEX® 410 indicates all metals with an audible signal with a great frequency response. According to the size of the metal object the large or small search coil is applied. The cylindrical probe permits an almost pinpoint location of very small objects.

The EBEX 410 system consists of the following equipment components:

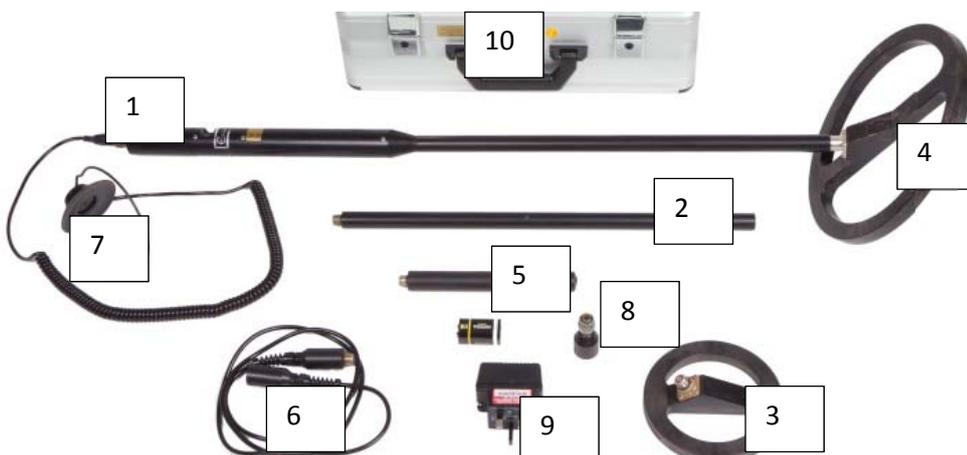
1. Electronic cylinder, 2. Carrying and extension rod, 3. Search coil, Ø 145 mm, 4. Search coil, Ø 260 mm, 5. Cylindrical probe, Ø 22 mm, 6. Extension cable, 7. Headphones, 8. Piezo buzzer, 9. Rechargeable NiCad battery charger unit, 10. Carrying case



Means of application

The EBEX® 410 technical function is based on the very sensitive damping principle. The search head is part of the oscillating circuit, which when brought near metal undergoes a withdrawal of energy. The oscillation amplitude is reduced. This is then transduced into an audible alarm signal.

The unit is operated with one rotary switch controlling the detection threshold and power. The detector automatically adjusts to the prevailing electrical ground conditions. Short control pulses indicate the operational readiness and also monitor the battery voltage.



Below are examples of possible variations:



Technical Data

Power supply

9 V dry battery IEC 6 LR61
or Ni-MH PP3 style accumulator 9V
approx. 20 - 25 h (6 LR 61)
approx. 5 - 7 h (Ni-MH battery)

Operation time* at 20° C

Dimensions

Electronics cylinder
Extension rod
Cylinder tracer
Diameter of search head
Length of detector
Transit case

(W x H x D)
approx. 35 X 370 mm
approx. 20 X 485 mm
approx. 23 X 300 mm
approx. 145 and 360 mm
approx. 520 to 1550 mm
approx. 460 X 350 X 175 mm

Weight (mass)

Operating Weight

approx. 605 to 1456 g depending on
detector version

Weight with case

approx. 6,8 kg

Charging time

approx. 4 - 5 h

Temperature range

approx. -20° to + 55° C

*Depending on temperature as well as quality of batteries used