

PRODUCT INFORMATION



FEREX[®] 4.035

FERROUS LOCATOR



proof.

Product description

The FEREX is a vertical gradient fluxgate magnetometer that measures the deformation of the earth's magnetic field evoked by ferromagnetic objects. Magnetometers are suitable for the detection of ferromagnetic metals like iron, steel or nickel. Normally the detection depth of magnetometers is larger compared to active EMI detectors but it varies and depends on the object's mass and its magnetic properties.

Characteristics

- Detection of ferrous material/UXO e.g. bombs, shells, projectiles, sub-ammunitions
- Magnetometer using tension band technology
- In-built filters for search under power lines
- Special mode for search along fences, pipelines and railway tracks
- Special mode for filtering small objects
- Precise handling, light weight
- Low noise for high detection sensitivity
- Compact detector in one piece design



Product Packages

FEREX 4.035

- Compact detector
incl. FEREX probe MG-10-550
- Carrying belt
- Rugged case
- Batteries
- User manual



Options

- Borehole detection
- Underwater detection
- Extension cable up to 100m
- Pulling rope
- Ballast weight
- Headphone



Qualifications

MIL-STD 810G 514.6-I	Random Vibration
MIL-STD 810G 516.6-I	Mechanical Shock
MIL-STD 810G 516.6-IV	Transit Drop Test
MIL-STD 810G 501.5	High Temperature
MIL-STD 810G 502.5	Low Temperature
MIL-STD 810G 503.5-I-C	Temperature Shock
MIL-STD 810G 506.5-I	Blowing Rain
MIL-STD 461G RE102	Radiated Emission
MIL-STD 461G RS103	Radiated Susceptibility
AEODP-7 Edition B, Annex A-1	
European Directive 2014/30/EC, EN 61326-1	

Technical Specification

Control Unit

Weight	3,3 kg complete detector incl. batteries 11,1 kg complete FEREX 4.035 set in case
Dimensions	FEREX® L 1250 mm Case L x B x H 1000 x 415 x 170 mm
Temperature ranges	Operation -37°C to +71°C Stock -57°C to +71°C
Power supply	4 x 1.5V Batteries or 4 x 1.2V NiMH
Battery size	IEC LR 20 - ANSI «D»
Battery lifetime	> 70 h
Measuring ranges	7 linear ranges: 0 to 10 nT up to 0 to 10.000 nT
Compensation range	± 950 nT
Protection grade	IP 65

Probe

Design	Fluxgate gradiometer with 550 mm sensor spacing, tension band technology
Temperature drift	<1 nT/K
Bandwidth	230 Hz
Measuring range	±10.000 nT gradient
Noise	< 1 nT p-p
Protection grade	IP 68, 100m with optional sealing plug