



MADE IN GERMANY

product version-4.032 API

FERROUS LOCATOR

PRODUCT DESCRIPTION

The FERROUS LOCATOR 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
 Probe calibration for lifetime
 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
 High detection sensitivity
 Modular design

PRODUCT PACKAGE INCLUDES

- 1803166 Control unit - Green army grade color
- 1325175 Probe CON 650
- 1801538 Carrying handle Green With Contact Set
- 1803158 Battery pack
- 010766 D-Cell 1.5V IEC LR20 (ALKALINE)
- 1806980 Operating/user instructions German language
- 1806998 Operating/user instructions English language
- 1586777 Carry Case
- 1587218 Carrying Strap



OPTIONS:

- Borehole detection
- Extension cable up to 100m
- Headphone
- Green or yellow color version



TECHNICAL DATA	CONTROL UNIT
Weight	4.7 kg complete detector incl. batteries 10.0 kg complete FEREX 4.032 API set in case
Dimensions	L 1400 mm Case L x W x H 1000 x 280 x 340 mm
Temperature	Operation -37°C to +71°C Stock -57°C to +71°C
Power supply	4 x 1.5V batteries or 4 x 1.2V rechargeable batteries
Battery size	D - cells, ANSI STD Size «D» (IEC LR 20)
Battery lifetime	Intermitted operation >60 h Continuous operation >50 h
Measuring ranges	8 linear ranges: 0 to 3 nT up to 0 to 10.000 nT and 1 logarithmic range
Protection grade	IP 57

TECHNICAL DATA	PROBE
Design	Tension band, alignment for lifetime
Measuring doubt	<2 % ref. ±10.000 nT
Stability	<1nT
Temperature drift	<1nT/K
Bandwidth	240 Hz
Measuring range	±10.000 nT
Noise	< 1nT pp
Linearity	<1nT ref. to max. measuring range
Protection grade	IP 68, 100m with optional sealing plug



QUALIFICATIONS & TEST

- MIL-STD 810E 512.2 Leak test
- MIL-STD 810E 514.4-1 Random Vibration
- MIL-STD 810E 516.4 Mechanical Shock
- MIL-STD 810E 516.4 Transit Drop Test, Procedure IV
- MIL-STD 810E 501.3 High Temperature
- MIL-STD 810E 502.3 Low Temperature
- MIL-STD 810E 503.3 Temperature Shock
- MIL-STD 810E 506.3-1 Blowing Rain
- MIL-STD 461 D RE 102 Radiated Emission
- MIL-STD 461 D RS 103 Radiated Susceptibility
- CE: European Directive 2004/108/EC, EN 61326-1



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