

PRODUCT INFORMATION



# MINEX 4.600

MINIMUM METAL MINE DETECTOR

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proof.

## Product Description

The MINEX 4.600 is designed to detect very small near-surface metal objects, so-called minimum metal mines or plastic mines. It offers maximum sensitivity and best possible pinpointing of targets while still providing robustness and reliability in any conditions. A ground learning function for operation on uncooperative soil and a military mode that turns off the LED indicators for safe night operations are only two of the vital features available. The MINEX 4.600 comes in a rugged transport case and can be equipped with accessories according to the customer's needs. Commonly, individual packages are defined and delivered.





## Characteristics

- Dual frequency continuous wave technology for constantly high sensitivity to all metals
- Two integrated search heads (Double D) for precise pinpointing
- Detection along large metal structures like railway tracks, fences and cars
- All control and display elements integrated into the handle
- Visual display with 14 LEDs that can be switched off in Military Mode
- Five sensitivity ranges
- No disturbance by high power lines
- No influence by wet soil or salty water on the detection depth
- Individual ground learning for non cooperative soil conditions
- Integrated function test of all control and display elements incl. malfunction alarm

## Optional Equipment

- Backpack
- Headphone
- Carrying strap
- Rechargeable batteries
- MINEX software for service purposes



## Technical Specifications

Dimensions - Detector	Length: 657 mm (folded up)
	Max. overall length: 1677 mm
	Width: 97 mm
	Height: 293 mm
Dimensions - Search head	Oval, 210 x 285 mm
Weight	2.3 kg without batteries
	2.7 kg complete with batteries
Waterproof, Electronics and Search head	IP 68, 2 m, 30 minutes
Storage temperature (without batteries)	-57°C to +71°C
	-135°F to +160°F
Permissible ambient temperature range	-37°C to +71°C
	-99°F to +160°F
Power supply	3 x 1.5 V batteries
	3 x 1.2 V rechargeable batteries
Battery size	IEC LR 20 (according to ANSI STD, size "D")
Battery lifetime (alkaline manganese)	Approx. 40 h at an ambient temp. of +20°C (+68°F)
Battery lifetime (rechargeable - NiMH)	Approx. 30 h at an ambient temp. of +20°C (+68°F)
EMC/CE-Qualification	European Directive 1999/05/EC: Radio and Telecommunications Terminal Equipment European Standard EN 55022:2006 + A1:2007 EN 61000-4-8:2010 ETSI EN 300330-1 V1.7.1 / 02.2010 ETSI EN 300330-2 V1.5.1 / 02.2010
MIL-Standard-Qualification	MIL-STD-810G, Method 502.5, Procedure I, Cold, Storage MIL-STD-810G, Method 502.5, Procedure II, Cold, Operation MIL-STD-810G, Method 501.5, Procedure I, High Temperature Cycles, Storage MIL-STD-810G, Method 501.5, Procedure II, High Temperature Cycles, Operation MIL-STD-810G, Method 516.6, Procedure IV, Transit Drop MIL-STD-810G, Method 503.5, Procedure I-C, Temperature Shock MIL-STD-810G, Method 512.5, Procedure I, Immersion MIL-STD-810G, Method 514.6, Procedure I, Cat. 4, Transport Vibration MIL-STD-810G, Method 516.6, Procedure I, Mechanical Shock, Operation MIL-STD-810G, Method 514.6, Procedure I, Sinusoidal Vibration MIL-STD-810G, Method 505.5, Procedure II, Solar Radiation, Steady State Test MIL-STD-810F, Method 506.4, Procedure I, Blowing Rain Test
IMAS-Qualification	CWA 14747-1 (2003)

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