

MINEX® 4.600



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Your partner for UXO and landmine detection



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All features in detail

- * Dual frequency "continuous wave" method with one transmission coil and differential receiver coil
- * Dual tone detection signal for excellent pinpointing of targets
- * Searching along fences, rails, pipelines and below cars is possible
- * Ergonomic compact one-piece design
- * All control and display elements integrated into the handle
- * Ruggedized hardware, designed following MIL STD
- * Built-in loudspeaker with adjustable volume, muted when headphone is connected
- * Detailed visual display of signal strength featuring 14 LEDs
- * Sound signals and LEDs for control click, battery charge condition and "LOWBAT" warning
- * All visual displays are switched off in military mode
- * 2x extendable telescope with robust clamping levers, search head swivel- and foldable
- * 3 position arm rest, removable
- * Battery compartment with safety quick-release fastener
- * Constant sensitivity during the battery lifetime
- * Watertight to 2 m, 30 min.
- * High detection sensitivity for all metals
- * 5 sensitivity ranges
- * Ground learning function for compensation of magnetic soils
- * Automatic suppression of interference signals on saline soils / in salt water
- * No influence of high power lines
- * Automatic self-test when device is switched on
- * Integrated function test of all control and display elements
- * Malfunction alarm
- * Test piece for function test
- * Socket for headphone, data transfer cable or external battery pack

Equipment

- * Metal detector set
order no.: 1947877
- including:
- MINEX® 4.600 detector
 - Transport case
 - 3 standard batteries
 - User manual



Optional

- * Backpack (without instrument), order no.: 1947826



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- * Headphone, order no.: 1853651



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- * Carrying strap, order no.: 1948512



MINEX[®] software (optional)

MINEX[®] 4.600 can be connected to a PC/laptop using a data transfer cable (connecting cable serial RS 232, order no.: 1853953).

MINEX[®] software (order no.: 1948369) offers the following capabilities:

- * uploading firmware updates
- * adjusting unit parameters
- * reading out data for troubleshooting
- * real-time signal acquisition for further analysis



For support please contact:

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Changes with respect to data and illustrations
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Technical data

Dimensions, Detector	Length: 657 mm (folded up) Max. overall length: 1677 mm Width: 97 mm Height: 293 mm
Dimensions of search head	Oval, 210 x 285 mm
Weight, MINEX [®] without batteries	2.3 kg
Weight, MINEX [®] complete with batteries	approx. 2.7 kg
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
Service life with alkaline manganese batteries rechargeable NiMH batteries	approx. 40 h approx. 30 h at an ambient temperature of +20°C (+ 68°F)
Battery type	3 x 1.5 V batteries, or 3 x 1.2 V rechargeable batteries
Battery size	IEC LR 20 (according to ANSI STD, size "D")
EMC/CE-Qualification:	European Directive 1999/05/EC: Radio and Telecommunications Terminal Equip- ment 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 17747-1 (2003)