



TREX® 204 M

Highly sensitive metal detector for mine action, forensic police work and IEDD

- Slim probe, easier searching in rough terrains
- Simple to operate
- Robust and lightweight
- Ground compensation function, high sensitivity



Features

- Small dismantled size
- Versatile charging system
- High detection sensitivity
- Clear signals
- Ground compensation

Construction

The TREX® 204 M is constructed extremely robustly to match the intended use. The device can be taken apart and packed in a compact watertight transport case.

The telescopic tube cannot be twisted and the handle and armrest permit the probe to be guided in a precise manner. To even out the load on the user's forearm, the electronics box is located at the top of the device.

Power is supplied from an integrated rechargeable battery. This can be recharged from the mains, from a 12 V car battery or from a 24 V truck battery. The capacity of the rechargeable battery is sufficient for extended use over a long period.



TREX® 204 M used in battlefield clearance.

General

The TREX® 204 M is a modern variant of the EBINGER „hockey stick probe“ that was first put to use for the detection of explosive ordnance 40 years ago. The new and further developed probe concept of the TREX® 204 M (as accredited by BH-MAC) permits a pinpoint location of metal objects which are concealed in stony terrain that is difficult to access, in furrows and trenches, channels or beneath undergrowth.

Even when used in adverse working conditions, users cherish this detector because of its outstanding detection properties on mineralized and only partially co-operative ground and good balance.

In humanitarian mine action the TREX® 204 M supports the detection of landmines with low metal content concealed close to the surface. ERW which is buried down to 50 cm, can also be detected depending on size and local working conditions.

Typical search tasks that arise in forensic police work as well as in archaeology and geology are also significantly facilitated by the detector's pinpointing properties and clear signals.



TREX® 204 M dismantled in its case

Operation principle

The TREX® 204 M applies the eddy current method based on a transmitter-receiver principle. The probe emits electromagnetic pulses which induce eddy currents on metal objects. These eddy currents generate a secondary field that retroacts back onto the probe.

This feedback is detected, processed and converted electronically into an audio alarm signal. Magnetic effects from the ground can be suppressed within limits by the device's ground compensation feature. The high detection sensitivity of the TREX® 204 M allows the pinpoint location of very small metal objects, conductive media, metal foil but also salt water.



TREX® 204 M in use

Technical data

Power supply	rechargeable battery pack, NiMH 9.6 V / 2.1 Ah
Operating time*	approx. 60-80 h
Temperature range	approx. - 10 °C to + 55 °C
Dimensions	
Probe	approx. 305 x 45 x 70 mm
Telescopic handle	approx. 800 - 1600 mm
Electronics	approx. 200 x 90 x 55 mm
Case	approx. 510 x 440 x 200 mm
Operating weight	approx. 1.6 kg including batteries

* Depending on the temperature and the quality of the batteries

Scope of delivery

- TREX® probe with articulated joint
- Telescopic tube, cable connection, electronics box
- Handle and armrest
- TREX® electronics with integrated rechargeable battery
- Operating elements: SENSITIVITY with slide switch
- Ground compensation
- Battery check: LED RED/GREEN
- Resonator with plug (signal generator)
- Test plate
- Transport case, as option transport satchel



TREX® 204 M pinpointing



EBINGER technology center Wiesbaum



EBINGER
Prüf- und Ortungstechnik GmbH
Headquarter:
Hansestraße 13
D-51149 Cologne
Germany
Tel. +49 2203 977-100
Fax +49 2203 36062

Sales international:
E-Mail info@ebinger.org

www.ebinger.org

EBINGER
Prüf- und Ortungstechnik GmbH
Technology center:
Vulkanstraße 14
D-54578 Wiesbaum
Germany
Tel. +49 6593 9989-40
Fax +49 6593 9989-450

Sales Germany/Benelux:
E-Mail eifel@ebingergmbh.de



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