

HIGHLY SENSITIVE METAL DETECTOR **TREX 204 M**



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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 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 mineralised 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. 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.

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.

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 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 or a 12V or 24V battery.



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

