

UXO PIDD® 2

UXO detector

- Robust and handy
- One knob operation
- Large detection range
- Static/dynamic search mode



Main characteristics

- Programmable delay steps
- Good scrap selection
- Non-cooperative soil suppression
- Interchangeable search heads
- Adjustable length

Delivery content

- Search head 300 x 230 mm with joint and telescopic tube
- Electronic cylinder with control panel
- Handgrip and armrest
- Li-Ion rech. battery pack 11.1 V, 4.4 Ah
- Optionally NiMH rech. battery 9.6 V, 2.1 Ah
- Charger and test piece
- Transport case
- Operation manual

General

EBINGER is the first manufacturer of pulse induction detectors in Germany, known also as TDEM systems. These are so-called time-controlled pulse detectors, e.g. handheld mine detectors, PI large loops and EB wheeled systems.

Application

Conventional mine detectors are due to their extreme detection sensitivity for small metal parts inefficient for the UXO detection. The time factor of the detection increases by each false alarm without detector selectivity of interfering metal parts. The PIDD® system developed by EBINGER suppresses within wide limits not only ground-magnetic interfering effects but also metal fragments to a pre-programmable size.

UXO PIDD® 2 offers two operation modes: step 1 dynamic, step 2 static, as well as ground adaption for interfering soil. Indication is given by a clear acoustic signal, that is modulated near the object as a tremolo effect extension of display dynamics.



Abb. 2. Complete in transport case



Abb. 1. Robust search head

Constructional features

UXO PIDD® 2 is a compact metal detector with a telescopic tube. The oval, watertight search head with adjustable joint connection can be found at the lower end of telescopic tube. Power supply is given by rechargeable battery packs screwed onto the upper guide tube. The electronics are located in the lower module tube. Frontally there is the detachable loudspeaker resp. connection socket for the optional headset that can be delivered as accessories. At the rear of the electronic tube there is the switch for the delay times (9), which is accessible after removal of screw cap. The detector can be delivered in a special version with a large UXO search head 420 x 280 mm, a visual LED and vibration alarm, and a data output at the 3pin loudspeaker socket for data recording with EB software (EPAS®/EPAD®) and the Bluetooth® module.

Technical Data

Power supply:	Li-ion battery pack 11.1 V, 4.4 Ah approx. 35 to 40 h, (intermittent)
Optionally:	NiMH rech. battery 9.6 V, 2.1 Ah, approx. 20 h battery tube: 6 x 1,5 V mignon, LR 6, approx. 20 h
Search speed:	approx. 0,2 to 1 m/sec.
Delay times:	approx. 20 to 120 µs
Temperature range:	approx. - 20 to + 65 ° C
Dimensions:	
Search head interchangeable:	300 x 230 mm standard
Optional version:	420 x 280 mm, large UXO probe
Length:	min. approx. 950 mm, max. approx. 1.750 mm
Transport case:	840 x 350 x 150 mm (w x d x h)
Weight:	
Complete with batt.:	approx. 2.6 kg (Ni MH rech battery)
Complete in transport case:	approx. 7,1 kg



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|-------------------------------|---------------------------------------|--------------------------------------|
| ① Oval search head 300x230 mm | ⑤ Loudspeaker | ⑧ Electronic tube |
| ② Joint | ⑥ Socket loudspeaker / headset / data | ⑨ Internal Sampling - Delay switch |
| ③ Telescopic tube | ⑦ output | ⑩ Interchangeable rech. battery pack |
| ④ Handgrip | Switch OFF / 1 (DYN.) / 2 (STAT.) | ⑪ Armrest |

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