

EbingerNews

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Today's forum for innovative detection technology

Test of the giants

MINELAB: World's best metal detection technologies?

EBINGER: UPEX[®] ONE-2 – the new EB-gold detector!



UPEX[®] ONE-2 in action

Comparative measurements „Giants’ Test“

The measurements were carried out on 22.02.2010 at the test site of EBINGER Prüf- und Ortungstechnik GmbH in Wiesbaum, Germany.

detector		time-domain		continuous wave		
		EBINGER UPEX® ONE-2 280 mm mono coil head	MINELAB GPX 4500 280 mm round DD coil	MINELAB X-Terra 70 220 mm 7,5 kHz	MINELAB X-Terra 70 oval search head 18,75 kHz	EBINGER TRES® 204 M hockey stick probe 14,56 kHz
tested object						
objects under floor plates (detection range = distance between search head and floor plate)	gold nugget 0,14 g	+ 2 cm	+ 0 cm	+ 0 cm	+ 0 cm	+ 0 cm
	gold nugget 0,55 g	+ 8 cm	+ 5 cm	+ 0 cm	+ 3 cm	threshold
	gold nugget 2,7 g	+ 12 cm	+ 11 cm	threshold	+ 6 cm	+ 7 cm
	gold coin ø 20 mm	+ 22 cm	+ 19 cm	+ 17 cm	+ 15 cm	+ 22 cm
measurement in air	EBINGER sinewave test plate 43 x 43 mm	30 cm	30 cm	30 cm	32 cm	32 cm
	brass sheet 10 x 10 cm	68 cm	67 cm	60 cm	55 cm	52 cm

interference caused by magnetic floor plates (approx. 4 cm thick plates)

For measurements with target buried under the floor plates the following applies: total detection range = indicated detection range + 4 cm (thickness of floor plate)



UPEX® ONE-2 in action



Fascia of electronic box

UPEX® ONE-2 components

UPEX® ONE-2 comes standardly with a search head of Ø 280mm. A special wiring technique ensures an outstanding suppression of soil magnetic effects and improves the pin pointing and the sensitivity to very small metal objects.



- | | |
|-------------------------------------|---|
| 1 shoulder bag | 6 electronic box |
| 2 search head Ø 280 mm | 7 power supply |
| 3 two-part telescopic handle | 8 spiral power cable |
| 4 test plate | 9 charger |
| 5 carrying handle, S-shaped | 10 headset with extension cable and 6,5 mm jack plug |
| | 11 operation manual (no picture) |

Technical data		
	UPEX® ONE-2	GPX 4500
Search coil diameter:	280 mm	280 mm
Type of search coil:	Mono	DD / Mono
Telescopic handle:	S-Handle	standard
Total weight:	approx. 3,3 kg	approx. 3,3 kg
Rechargeable battery:	Ni-MhH 12V / 3,8Ah	Li. Ion 8,4V / 9,2Ah
Operation time:	approx. 12 h	approx. 12 h
Packing dimension:	approx. 70 cm length	approx. 80 cm length

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