

UWEX® 722 C

Hand-held metal detector

- Suits underwater and for normal land use
- High detection sensitivity
- Indicates all types of metal, can suppress small scrap
- Clear audio alarms, easy pinpointing
- Audio battery monitoring
- Low power consumption, inexpensive operation cost



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EBINGER Search instruments

are well known and proven in various fields of underwater use, such as police work, demining and archeology.

The UWEX® 722 is a highly sensitive metal locator for divers which suits with an extension rod also for normal land use. It is pressure tested to 100m water depth and simple to use. If thought necessary it can be calibrated to ignore small items of scrap metal not to waste diving time.

The UWEX® 722 works by means of a pulsed electromagnetic field which is sent out from the search coil. The field induces eddy currents into metal targets causing them to respond with an own field. The decay time of this 'echo' depends on the kind and size of the detected object. The locator detects and evaluates the response signals and converts them into the corresponding audio alarms.

UWEX® 722 detects non-ferrous and ferrous metal of small or large size. The earphone is pressure waterproof and gives a clearly audible signal with large frequency deviation. Therefore it is easy to pinpoint targets.

UWEX® 722 can be tuned to suppress small-sized objects such as nails, short wires etc by an internal DELAY adjuster placed inside the battery compartment which speeds up underwater operations saving a substantial amount of the expense for search or clearance operation. In search for forensic evidence it is today the work horse of many police divers.

The UWEX® 722 offers a very high sensitivity. The limits of detection range depend on the size of the metal target object, on its position, its material and finally on the intensity of interference at the search site. Therefore any indication would be vague and sometimes not reproducible on search sites.

The application range for UWEX® 722 is approx. within 20 – 100 cm under its search head. Very large objects can cause an indication from a distance to approx. up to 1,5 metres.

Due to a sophisticated electronics the device achieves a good performance at a low power consumption. It can be operated by a commercial 9V PP3 dry battery or a rechargeable NiMH battery. Plug-in chargers and rechargeable batteries are available as optional accessories.

Technical data

Power supply	1 battery 9V Block (IEC no. 6 LR 61)	or rechargeable NiMH battery 9 V,
Operating time approx.	Dry battery	20 - 25 h at +20 °C
	Rechargeable NiMH-battery TR 7/8	5 – 6 h at +20 °C
Temp. range approx.	-10 to +55 °C	
Dimensions approx.	Electronic cylinder	40 mm ø
	Search head	200 mm ø
	Overall length with search coil 200 mm ø	600 mm (short mode use)
	Total length with extension rod	1.180 mm (with extension rod)
Weight approx.	depending on version (long/short)	1.100 to 1.300 g (on land)
Tested pressure	7 bar	