



DETECTOR

MAGNEX® 130 B

Applications

Handheld
Underwater

Types

Metal detectors (MD)

Last update

01/01/1970

General description

The MAGNEX® 130 B represents the consistent further development of the Ebinger underwater magnetic anomaly locator. The detection device has become more compact, can now to be taken apart, and is easier to operate and handle. The UW magnetometer MAGNEX® 130 B is designed for the locating of magnetic anomalies in the earth's magnetic field as brought about by, for example, ferrous objects that are concealed on the floor of bodies of water or in the ground. Such objects include pipelines, parts of ships, wrecks or ERW. The devices are used typically in professional operations by police divers, for the geomagnetic surveying of abandoned hazardous sites and by commercial diving companies.

Working characteristics

The MAGNEX® 130 B belongs to the group of ferrous metal detectors with a passive mode of action as widely used on land for geomagnetic investigations. It is able to measure differences in the earth's magnetic field whereby displaying of the earth's natural magnetic field is suppressed but differences brought about by local magnetic anomalies are displayed. The magnetometer has three detection stages with different ranges of sensitivity: In the first and least sensitive stage the device functions dynamically and - in the vicinity of ferrous metal objects - adjusts itself continuously to the background noise/interference. In the second stage the device works in quasi-static mode. Here the adjusting to and suppressing of the external and undesired noise is carried out slowly. Thanks to the automatic adjustments carried out in these two detection stages the diver does not have to carry out adjustments on the device which naturally simplifies his work. In the third stage the device works in static mode. In this stage the MAGNEX® 130 B possesses its maximum detection sensitivity. Naturally the range within which a particular ferro-magnetic object can be detected depends on the magnetic field strength of the latter. Small objects with a low magnetic field strength will only be detected when they are in the immediate vicinity of the probe; larger objects with a correspondingly greater magnetic field strength can be detected at a range of several meters.

Radio, audio, visual, sensitivity data

Audio output	Audio as pulsating signal tone, audio resolution (stage 3) approx. 10 nT
Visual display	Visual indication of battery status via LED
Connectivity	Headphones

Power supply data

Battery	Single 9 V E-Block U 9VL/IEC 6 LR61 or rechargeable 9 V E-Block Ni-MH IEC HR 22
Low battery alert	1
Low battery alert information	Indication via LED
Rechargeable	1
Operating time	14 hours
Operating time information	An alkaline battery allows for approx. 14 h continuous operation whereas a Ni-MH battery allows for approx. 6 h.
Battery charger information	Optional battery charger for Ni-MH power solution

Dimensional data

Length	960 mm
Weight	1.65 kg
Search head size	62 mm
Shape	Rod
Transport case provided	1
Transport case weight	4.95 kg
Transport case weight info	Weight of the device with headphone in case

Factory support data

Factory support	A worldwide service network ensures permanent availability of spare parts. Operation and maintenance training is provided at Ebinger facilities or on site. Additional factory support by specially trained staff is provided on request.
Warranty	1 year warranty included. Ebinger offers prolongation of warranty.
Water resistant	1

Price

Reduction for higher quantity	Please get in contact for a personalized offer.
Possible to rent	1
Price for training	Please get in contact for a personalized offer.

Other

Additional equipment	Rechargeable NiMH battery and charging solution; extension rod
Other models	The MAGNEX® also features light-weight detectors for land use and multi-channel systems.

Other information

Images