

MAGNEX® 130 B

Underwater magnetometer

- Ergonomic design
- Robust, compact, modular design
- Easy to operate
- Saltwater compatible



- Audible / visual indication
- 3 search modes:
 - Dynamic (LOW)
 - Semi-static (MEDIUM)
 - Static (HIGH)

General

The MAGNEX® 130 B is a further development of its well proven forerunner. The search device is of compact modular design and lightweight. It is easy to operate and simple to learn.

Operation principle

The MAGNEX® 130 B is a passive iron locator, which detects and indicates local anomalies in the natural magnetic field of the earth. It applies the same passive-differential field strength detection principles as bomb locators designed for land use.

The search equipment has three sensitivity ranges. In range 1 the MAGNEX® 130 B operates on a dynamic detection mode, in range 2 on a semi-static mode and in range 3 on a static mode. On range 1 and 2 the device adjusts itself automatically and does not require any further calibration or adjustment procedures. The static mode offers largest detection range depending on the magnetic signature of the object.

Small ammunition such as 20 mm shells will only be detected in the close vicinity of the locator probe whilst bombs or parts from wrecks may be detected from some metres distance.

Application

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 MAGNEX® 130 B is used typically in professional operations by police divers, for the geomagnetic surveying of abandoned hazardous sites and by commercial diving companies.



Technical data

Power supply	disposable battery 9 V e-block 6LR61 rechargeable battery 9 V e-block Ni-MH
Operation time*	disposable battery approx. 16 h rechargeable battery approx. 8 h
Charging time rechargeable battery	approx. 4 h with 70 mA
Temperature range	approx. -15 °C to +50 °C
Length Diameter	approx. 985 mm approx. 62 mm
Weight with headset Weight with case	approx. 1,650 g approx. 4,950 g
Pressure water proof	approx. 7 bar, 60 m
Field direction detection	audio via pulsing of the signal tone, audio resolution (stage 3) approx. 10 nT

* depends of temperature and battery type



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