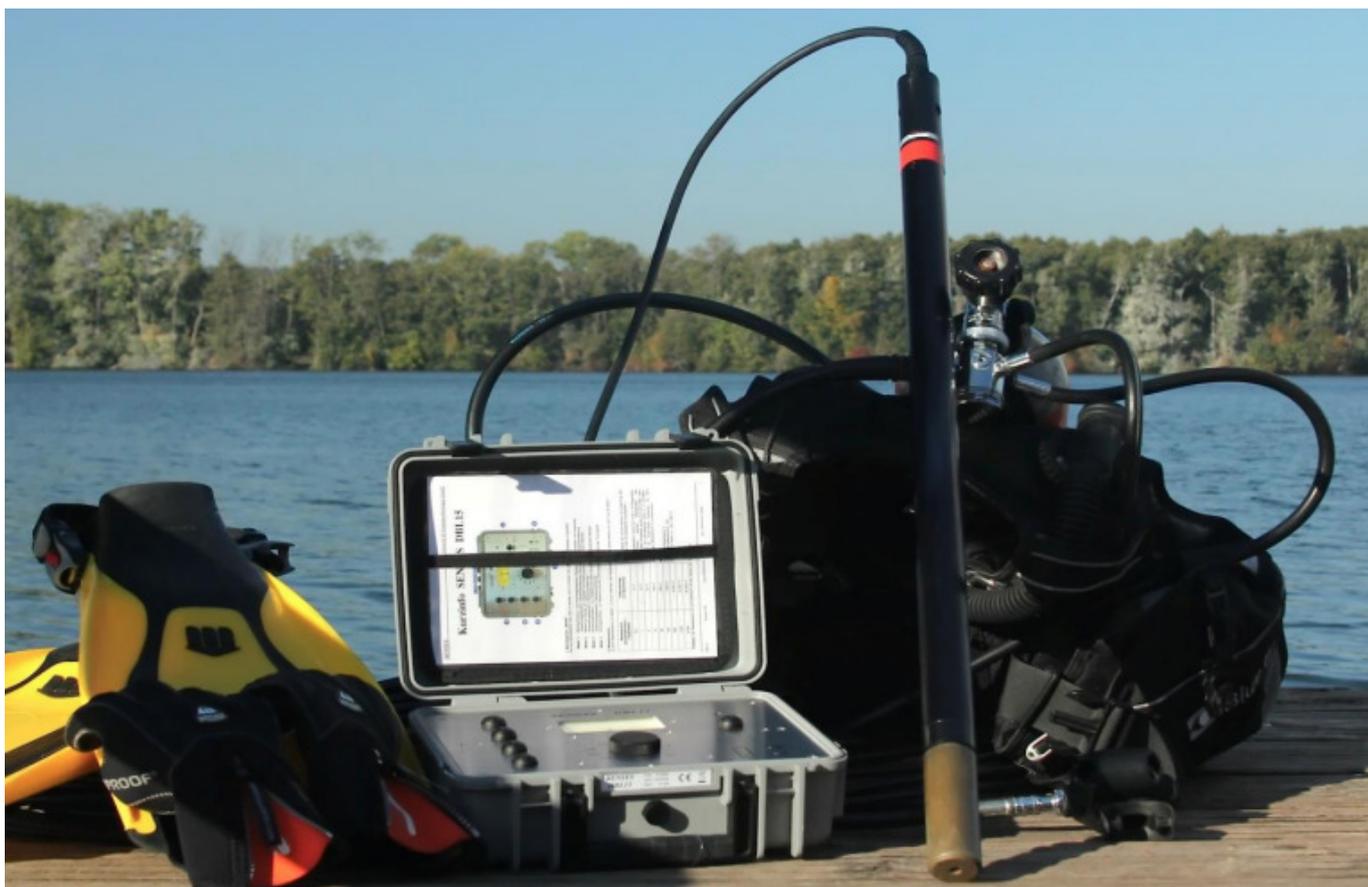


DIVER MAGNETOMETER SYSTEM DBL-15



Features

- Survey unit for divers to connect and operate FGM400/38 probe
- Simple and intuitive handling
- 3 operation modes, test and compensation feature
- Intelligent power management
- Probe cable with sealing cap and lengths up to 150 meter
- Increased audio level for output to diver's phone
- Optional data recording with rugged PDA
- Power supply: battery or mains power
- All components safely stored in rugged case

DIVER MAGNETOMETER SYSTEM DBL-15

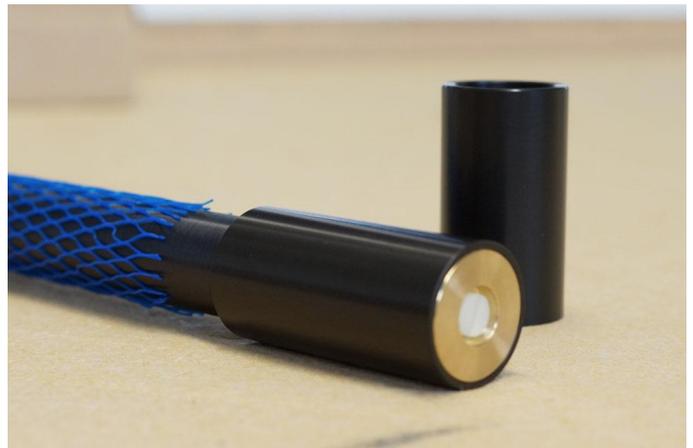
The DBL15 is a robust but very compact survey unit in an IP67 case to connect and operate an FGM400/38 probe for diver's underwater bomb search.

The IP67 case contains the main electronics to operate and acquire signals from the FGM400/38 probe. The total measurement range of the DBL15 is $\pm 30,000$ nT. With a sensor cable of up to 150 meter, customer can realize typical offshore projects from big vessels where divers backing off the vessel several meters and dive down to 30 or 40 meters.

In addition an internal battery with around 40 hours operation time ensures an autarkic operation from the vessels environment.

The intuitive user interface offers all the known functions. These include the probe testing, compensation, choice of modes and sensitivity, audio level and power supply indication.

A rugged Windows Mobile PDA can be used via cable or radio connection to record the measurement values from the probe. Afterwards the data can be downloaded to a PC and processed using the SENSYS software MAGNETO®. All components can be stored safely in a rugged case with handle and wheels.



TECHNICAL DATA

General Technical Data

Power Supply (internal) : Li-Ion battery with approx. 40 h operating time
 Operating Temperature : -20°C to +50°C
 Operating Weight (without casing) : 1.7 kg
 Dimensions (L x W x H) when folded : 215 x 275 x 110 mm

Measurement Configuration

Maximum measurement range : $\pm 30,000$ nT
 Sensitivity levels : 9
 Display : Analogue pointer with ± 10 scale division
 Resolution : 0.075 nT at 3 nT measurement range

FGM400/38

Maximum ambient field : $\pm 75,000$ nT
 Specified measurement range : $\pm 38,460$ nT
 Sensor Element Spacing : 400 mm
 Declination : ± 3 nT
 Resolution : 0.2 nT
 Cut off frequency (Bandwidth) : 20 Hz

Temperature drift : < 0.3 nT/K
 Uncertainty of measurement : 1%
 Stability : < 1 nT
 Probe Diameter : 35 mm
 IP code : IP68

Standard accessories

Rugged case (empty weight) : 1150 x 335 x 155 mm 8.5 kg
 Probe connector cable : 100 m length (others on request)
 Peripherals : Audio cable (chinch), power plug
 Documentation : Certificate, manual, quick guide

Optional accessories

External battery : 12V led gel battery
 Audio cable (jack plug) : Optional w/ increased audio level
 Rugged PDA (optional with Bluetooth dongle) : For borehole and single channel measurements
 Head phone : Customizable cable length
 MAGNETO® Software : For data processing