

MariMag



MariMag is a highly sensitive, accurate, and small size system for magnetic surveys both in shallow and deep water. Precise sensors with stable specifications as well as system module construction allow us to arrange both longitudinal and horizontal transverse gradiometers very easily. Special software from the equipment set can be installed on any personal computer. The software is intended for the equipment management and control, as well as data recording and visualization, and their upload in specified file formats.

MariMag magnetometer

- Maintenance free Overhauser sensors
- High sensitivity and accuracy
- Built-in compass, accelerometer, leak detector, pressure and humidity sensors
- Robust design
- Lightweight and portable

Isolation transceiver

- Built-in monochrome LCD display for the indication of all system parameters
- Safely shuts down in emergency cases
- Measurement control via built-in keypad
- Data storage to the built-in memory card

Tow cable

- High strength Kevlar strain member
- Floating version by request
- Maximum cable length with the standard power supply is 1000 m

MS Windows-based software

- MariMag monitoring and control
- Data visualization
- Ship and towfish positions plotting on a digital map
- Creation and editing of survey lines

Data acquisition, visualization & control software

MariMag system includes special software intended for the equipment management and control, as well as data recording and visualization, their upload in specified file formats. The software indicates the MariMag status in the real time, providing the information about signal strength, sample rate, synch, depth, altitude as well as leakage alarm. Convenient user-friendly interface and terminal access facilitate troubleshooting and resolve issues.

MariMag set includes

- MariMag magnetometer
- Tow cable
- Isolation transceiver
- Power supply
- Ethernet cable
- Data acquisition, visualization & control software
- Operation manual
- Spare parts kit
- Shipping/storage case

Optional components

- Altimeter
- Deck cable
- Deck winch for tow cable

Specification:

Range	18 000 ÷ 120 000 nT
Absolute accuracy	0.1 nT
Sensor sensitivity	0.01 nT
Counter sensitivity	0.001 nT
Resolution	0.001 nT
Heading Error	0.1 nT (180°)
Gradient tolerance	up to 30 000 nT/m

Max sample rate	5 Hz
Communications	Ethernet
Power supply	12 ÷ 30 VDC or 100 ÷ 240 VAC
Operating temperature	-20 ÷ +60°C
Weight in air	11 kg

















