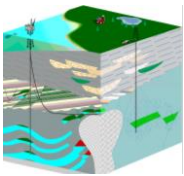




## LEMI-039 3-component analog magnetometer



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## LEMI-039

The vector analog magnetometer LEMI-039 is destined for precise measurement of Earth's magnetic field and its variations in autonomous mode in stationary position at land and sea (at the photo above – with support for land use). It is produced on the base of flux-gate sensor, all three components of which are implemented in the same body. The electronics is implemented as “black box” PCB fixed in the same housing with analog output which has to be coupled with any analog registration unit. Very low power consumption of the magnetometer is convenient for long-term autonomous measurements.



LEMI-039 Product picture

## Product features

- High resolution and precision
- Low noise
- Low temperature offset
- Temperature channel
- Convenience of installation and service
- Very low power consumption
- 3 years operational guarantee

## Product specifications

Measured range at analog output	±65000 nT
Frequency band for magnetometer	DC-10 Hz
Transformation factor of analog output	25 μV/nT
Noise level at 1 Hz	≤ 10 pT/√Hz
Temperature drift	< 0.3 nT/°C
Components orthogonality error	< 30 min of arc
Operating temperature range	minus 20 to + 60° C
Power supply	5 V
Power consumption	< 0.5 W
Weight: sensor with support and 10m	3 kg
Length of sensor connecting cable as	6 m*
Dimensions	H=350mm, D=110mm

\* any other values up to 75 meters are