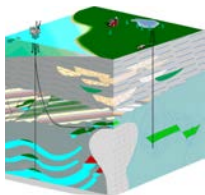




Product description

The digital version of vector magnetometer LEMI-039D update X is specially adapted for the precise measurement of three components of Earth's magnetic field and its variations. Originally as sea bed station geophysical observation, it evolved into observatory and gradiometer version. It has external housing which can be modified and even sealed into sea bed station (see photo below). Because of this any customization of dimensions are possible at the customer's request. Digital data can be obtained from SD card, serial interface or via KMS web access box via the Cloud. Timing by internal clock and GPS. It is possible to set internal clock and make its correction. Other version with autonomous registration in flash memory and USB Very low power consumption of the magnetometer is convenient for long-term autonomous measurements.



KMS Technologies

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Product features

- High resolution and precision
- Low noise
- Low temperature offset
- Temperature channel
- Convenience of installation & service
- Very low power consumption
- Data output: digital or via KMS web access box to CLOUD
- 3 years operational guarantee

LEMI-039D X 3-component digital magnetometer
in a marine integration



LEMI-039D X fluxgate magnetometer
observatory model



Product specifications

Measured range of magnetic field	±65,000 nT @ DC to 0.2 Hz
Resolution along each component	10 pT
Temperature drift	<0.2 nT/°C
Sampling rate	1 per s (default), option 10, 100 Hz
Noise level at 1 Hz	<12 pT/√Hz
Components orthogonality error automatic compensation	<30 min of arc to < 5min of arc
Digital output (Baud rate 1115200 bit/s)	Via SD card (32 GB default to 128 GB) with KMS web access directly to Cloud FTP server
Tiltmeter resolution, degrees	0.01
Tiltmeter measurement range, degrees	±30
Operating temperature range	-5 to 55 °C
Temperature sensors resolution	0.1 °C
Power supply	12 V
Power consumption	< 1.2 W
Weights	Electronics <1.5 kg; 10 m cable, sensor, & recorder < 4.0 kg

LEMI-039D X Order Information

Option 1: LEMI-039D X observatory

Option 2: LEMI-039D X marine

Option 3: LEMI-039D X gradiometer

Option n- WAB: LEMI-039D X with web access box



LEMI-039D X observatory



LEMI-039D X gradiometer



KMS web access box

Please contact info@KMSTechnologies.com or sales@LEMIensors.com for more information and get your quote today!