

PORTABLE DECLINOMETER – INCLINOMETER LEMI-204

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Main features:

- High resolution:
 - 0.1 nT at liquid crystal display
 - 0.01 nT for the digital output
- Low noise
- Low temperature drift
- Low power consumption
- Optional digital output
- Internal battery
- Socket for inner charger/power supply
- 2-year guarantee



LEMI - 204 magnetometer is intended for absolute magnetic measurements.

It's produced on the base of one-component fluxgate sensor. The construction of its housing has the fixation side which fits the corresponding fixation place of the theodolite and allows adjusting conveniently the direction of magnetic axis of the sensor. The non-magnetic 3T2KP-NM theodolite is also available and can be procured together with the magnetometer. The digital interface allows to build automatized magnetic observatory with minimal operator work.

MAIN TECHNICAL PARAMETERS

Measuring range	±60 000 nT
Resolution: at liquid crystal display for the digital interface (RS-232) data	0.1 nT 0.01 nT
Measurement accuracy ($T_A = 25^\circ\text{C}$)	± 0.3%
Scale factor temperature coefficient (typical)	< 0.008 %
Zero shift with temperature (typical)	< 0.2 nT/°C
Digital interface	RS-232
Operating temperature range	-10° to +60°C
Power supply internal sealed lead-acid battery (with 32 hours of operation)	12 V, 1.3 AH
Weight: sensor (without cable) electronic unit	0.2 kg < 1.2 kg
Length of connecting cable: sensor cable extension cable	1.5 m 2 m