

Magnetometer NOVOTEST MF-1M



◀ Features ▶

- Affordable price
- Menu driven
- Multi lingual
- AA batteries operated
- 1 Year warranty
- High quality housing
- Protective rubber case
- ON/OFF Buzzer
- High sensitivity and accuracy
- Minimum delivery times

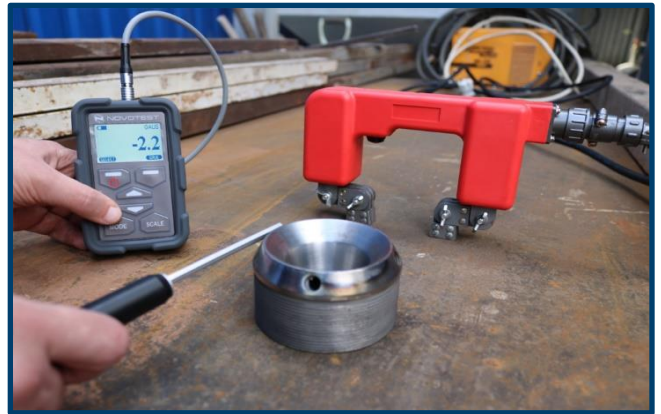
Magnetometer (teslameter, gaussmeter) NOVOTEST MF-1M is designed for magnetic field strength (magnetic induction) testing.

It allows controlling the induction of static (**DC**), alternating (**AC**) and **pulsed magnetic fields** generated by magnetic and electromagnetic devices, such as magnetic particle flaw detectors, magnetic tables and chucks of grinding machines, demagnetizing devices, permanent magnets, etc.

The device is used in industrial, construction and other fields.

◀ Application ▶

- Magnetic induction control of magnetic and electromagnetic devices, such as magnetic particle flaw detectors, loudspeakers, magnetic circuits or components such as relays, magnetic switches, or coils;
- Evaluating magnet classification;
- Monitoring permissible values of industrial interference;
- Research and testing of magnetic field levels;
- Magnetic heterogeneity of the surface of ferromagnetic products;
- Magnetic field measurement during and after the magnetic particle inspection;
- Evaluation of residual magnetization (of gas and oil pipes prior to welding, etc);
- Evaluation of stray magnetic/leakage fields produced by sources of power supply, transformers, fluorescent lights and other external devices;
- Verifying the impact of static or dynamic magnetic fields on electronic devices when installed in a particular location;
- Ensuring that the equipment conforms to the required technical standards.



◀ Advantages ▶

- Different types of probes of wide range: ± 100 G, $\pm 1\ 000$ G, $\pm 3\ 000$ G, $\pm 30\ 000$ G
- Several measurement scales and automatic conversion: G, mT, A/cm
- Ease of use and setting up
- Sound alarm function for exceeding the threshold of the limits of the measured parameter
- Back-up copies of probe calibrations
- Graphic mode for convenient and quick magnetic field strength scanning
- Applicable to static (DC), alternating (AC), and pulsed magnetic fields
- Automatic quick zero-setting to set up the device prior measurements
- Professional and convenient device
- User-friendly multi-language menu
- Durable shockproof housing with silicon case
- Internal memory for saving of measurements
- Data transfer to PC and generation of test reports via www.novotest.info on any operation system
- High autonomy



◀ Specification ▶

Measuring range of probes	PH-100 / ± 100 G PH-1000 / $\pm 1\ 000$ G PH-3000 / $\pm 3\ 000$ G PH-30000 / $\pm 30\ 000$ G
Resolution, G	0.1
Time for stable readings, s, no more than	1
Basic measurement accuracy, G	PH-100 / $\pm(1+0.05H)$ PH-1000 / $\pm(2+0.05H)$ PH-3000 / $\pm(5+0.05H)$ PH-30000 / $\pm(30+0.05H)$ H is the reading in Gauss
Operating modes	<ul style="list-style-type: none"> • Normal • Graphic
Measurement units	<ul style="list-style-type: none"> • G • mT • A/cm
Pulse duration for pulsed magnetic fields, not less than, μs	1
Field frequency for variable magnetic fields, Hz	20 ~ 1100
Display	Monochrome, 2.5 inch, 128*64
Menu languages	<ul style="list-style-type: none"> • English • Spanish • Ukrainian (other languages optional)
Body type/ Dust and moisture protection level	Plastic, with shockproof silicone case / Standard for shop and field operation
Storage of measurement results	Up to 256 readings
PC cable connection (via www.novotest.info)	Yes
Charger type	External charger for batteries
Battery	2pcs standard AA batteries
Electronic unit weight with batteries, no more, kg	0.25
Dimensions (L x W x H), mm	115x69x27
Minimum time of continuous work, h	20
Operating temperature range, ° C	-20 to +40

◀ Available options ▶

- Standard probes:
 - PH-100, range $\pm 1\ 00\ \text{G}$
 - PH-1000, range $\pm 1\ 000\ \text{G}$
 - PH-3000, range $\pm 3\ 000\ \text{G}$
- Special probe PH-30000, range $\pm 30\ 000\ \text{G}$
- AA batteries
- Charger for batteries
- Plastic transportation case or bag



◀ Standard set ▶

- Electronic unit Magnetometer NOVOTEST MF-1M
- Hall effect probe (PH-100, PH-1000, PH-3000 probes by choice as standard probes, special probe PH-30 000 at an additional cost)
- 2 AA batteries
- AA battery charger
- USB cable for PC
- Operating manual
- Plastic case or bag



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