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# Magnetic Field Meter MP-1000

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# MAGNETIC FIELD METER MP-1000

The handy Magnetic Field Meter MP-1000 from List-Magnetik with externally connectable transverse and axial field probes accurately measures magnetic fields of all types, such as direct, alternating and pulsed fields. It is also ideal for measuring residual magnetism.

The MP-1000 is easy to use: A single push of a button is all it takes to accurately measure magnetic field strengths. Applications range from weak geomagnetic fields to 20,000 A/cm fields.

The optional calibration standard gives you the assurance that your instrument is always working correctly.



## Technical Data Magnetic Field Meter MP-1000

- Measuring units: A/cm - Gauss (Oe) switchable (1 A/cm = 1.256 Gauss = 1.256 Oersted)
- Applicable measuring probes: Axial probes P-A2 and P-W2, Transversal probes P-T2 and P-Z2
- Measuring range DC: 0-20,000 A/cm, AC: 20-20,000 A/cm
- Accuracy: in the homogeneous field  $\pm 1$  A/cm up to 50 A/cm,  $\pm 2$  % of measured value from 50 A/cm
- Resolution: 0-100 A/cm: 0.1 A/cm,  $\geq 100$  A/cm: 1 A/cm,  $\geq 1,000$  A/cm: 10 A/cm,  $\geq 10,000$  A/cm: 100 A/cm
- Frequency range AC: 10 Hz – 5 kHz
- Peak Hold: with impulse duration  $\geq 0.1$  msec
- Display: LCD display 3 digit
- Power supply: 2x 1.5 V AA Mignon
- Operating time: approx. 35 h
- Dimensions: 105 x 65 x 26 mm
- Weight: 137 g with batteries

MP-1000 has 4 probes for different measurement directions: axial, transversal, angular axial, and a transversal flexible reed probe. Axial probes measure in the direction of the probe. Transversal probes measure at a 90° angle to the probe. The difference is in the mounting of the Hall sensor. Transversal probes are more suitable for measurements in cavities or narrow tubes.

### LM-MP1000-A2: MP-1000 with Axial Field Probe P-A2

Hall Sensor distance: 2.0 mm, Diameter of the probe tube: 7.5 mm

### LM-MP1000-T2: MP-1000 with Transversal Field Probe P-T2

Hall Sensor distance: 0.9 mm, Probe thickness: 1.7 mm

### LM-MP1000-Z2: MP-1000 with Transversal Flexible Reed Probe P-Z2

Hall Sensor distance: 0.4 mm, Probe thickness: 0.7 mm

### LM-MP1000-W2: MP-1000 with Angular Axial Probe P-W2

