

List-Magnetik Magnetic Field Meter MP-1000



The MP-1000 from List-Magnetik is a portable magnetic field meter designed for high-precision measurement of direct, alternating, and pulsed fields using interchangeable axial and transverse probes. Beyond standard field analysis, this versatile instrument is specifically optimized for detecting residual magnetism.

Its user-friendly design allows for accurate readings with just a single button press, covering a broad measurement range that extends from subtle geomagnetic variations to intense fields of up to 20,000 A/cm.

To maintain long-term reliability and accuracy, an optional calibration standard is also available.



Technical Data For 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 ± 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, ≥ 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 ≥ 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

The MP-1000 offers four distinct probe configurations to accommodate various measurement directions: axial, transversal, angular axial, and a flexible transversal reed probe. Axial probes are designed to measure in the same direction as the probe itself, while transversal probes capture measurements at a 90° angle, a difference determined by the specific mounting of the internal Hall sensor. Because of this design, transversal probes are particularly well-suited for taking readings within narrow tubes or recessed cavities.

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

