

# List-Magnetik Magnetic Field Meter / Gaussmeter MP810A & MP810T



The MP-810 from List-Magnetik is a compact, highly portable magnetic field meter that delivers the same precision as larger laboratory units. Designed for user-friendliness, it accurately measures DC and AC fields, as well as peak values for pulsed magnetic fields. To accommodate diverse measurement requirements, the device supports multiple units including A/cm, Gauss/Oersted, and (milli-)Tesla across various measuring ranges.

We offer this versatile magnetic field tester as a handheld instrument available with either an axial (LM-MP810A) or transversal (LM-MP810T) probe. The axial probe is ideal for measurements on surfaces or within bores, as it detects the field along the probe's axis at a precise distance of 2.0 mm. Alternatively, the transversal probe measures the field perpendicular to the axis, making it the optimal choice for evaluating air gaps, cavities, and workpiece surfaces during crack detection.

From detecting subtle levels just above the Earth's magnetic field to measuring residual magnetism (remanence) at low A/cm or Gauss/Oersted values, List-Magnetik magnetic field meters provide durable performance and reproducible field strength results during testing. They are also capable of measuring peak fields to ensure comprehensive analysis. Additionally, a calibration standard (reference magnet) is available, allowing you to verify the accuracy of your instrument at any time.

## Technical Data For Magnetic Field Meter MP-810

- Measuring units: A/cm - kA/m - Gauss - Oersted - Tesla switchable
- Measuring probe LM-MP810A: Axial field probe  $\varnothing$  8mm with defined measuring distance of 2.0 mm
- Measuring probe LM-MP810T: Transversal field probe of 1.7 mm thickness with Hall Sensor distance of 0.9 mm
- Measuring range DC: 0-20,000 A/cm, AC: 2-20,000 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 100-10,000 A/cm: 1 A/cm, > 10,000 A/cm: 10 A/cm
- Frequency range AC: 20 Hz - 100 Hz
- Peak Hold: with impulse duration  $\geq 0.25$  sec
- Display: OLED Graphic Display illuminated
- Menu navigation: English, German, French, Italian, Spanish, Hungarian, Polish, Dutch
- Data logger: 4000 measured values flexibly divisible
- Statistics: count/maximum/minimum / average / standard deviation
- Interface: wireless interface for communication with Android, IOS and Windows  
App for Android, iOS, Windows: free of charge via Google Play Store, Apple App Store, List-Magnetik website
- Power supply: 1 x 1.5 V AA Mignon
- Operating time: approx. 50 hours
- Dimensions: 28 x 140 mm, Weight: 73 g with battery

