



# Magnetic Field Meter / Gaussmeter LM-MP810A und LM-MP810T

[www.list-magnetik.com](http://www.list-magnetik.com)

The small, compact **List-Magnetik MP-810** is as accurate as the larger magnetic field meters. It is easy to use and measures accurate DC and AC fields as well as peak values for pulsed fields. To meet any measurement task, the instrument has different measuring ranges and measuring units such as A/cm, Gauss/Oersted and (milli-)Tesla.

We offer the convenient magnetic field tester as a handheld instrument with either an axial (**LM-MP810A**) or transversal (**LM-MP810T**) probe. The axial probe measures the field in the direction of the probe axis at a precise distance of 2.0 mm. It is suitable for measurements on surfaces or in bores.

The transversal field probe measures the field transverse to the probe axis. Optimal applications include air gaps, cavities, and workpiece surfaces for crack detection.

From low field values just above the earth's magnetic field, to residual magnetism / remanence with low A / cm or Gauss / Oersted residual magnetic field values, to peak fields, the magnetic field meters from List-Magnetik are durable and you will get reproducible field strength values during the magnetic field test. In addition, we offer a calibration standard (reference magnet) so that you can always check the accuracy of your magnetic field meter.

### Technical Data Magnetic Field Meter / Gaussmeter 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: 1x 1.5 V AA Mignon
- Operating time: approx. 50 hours
- Dimensions:  $\varnothing$  28 x 140 mm, Weight: 73 g with battery

