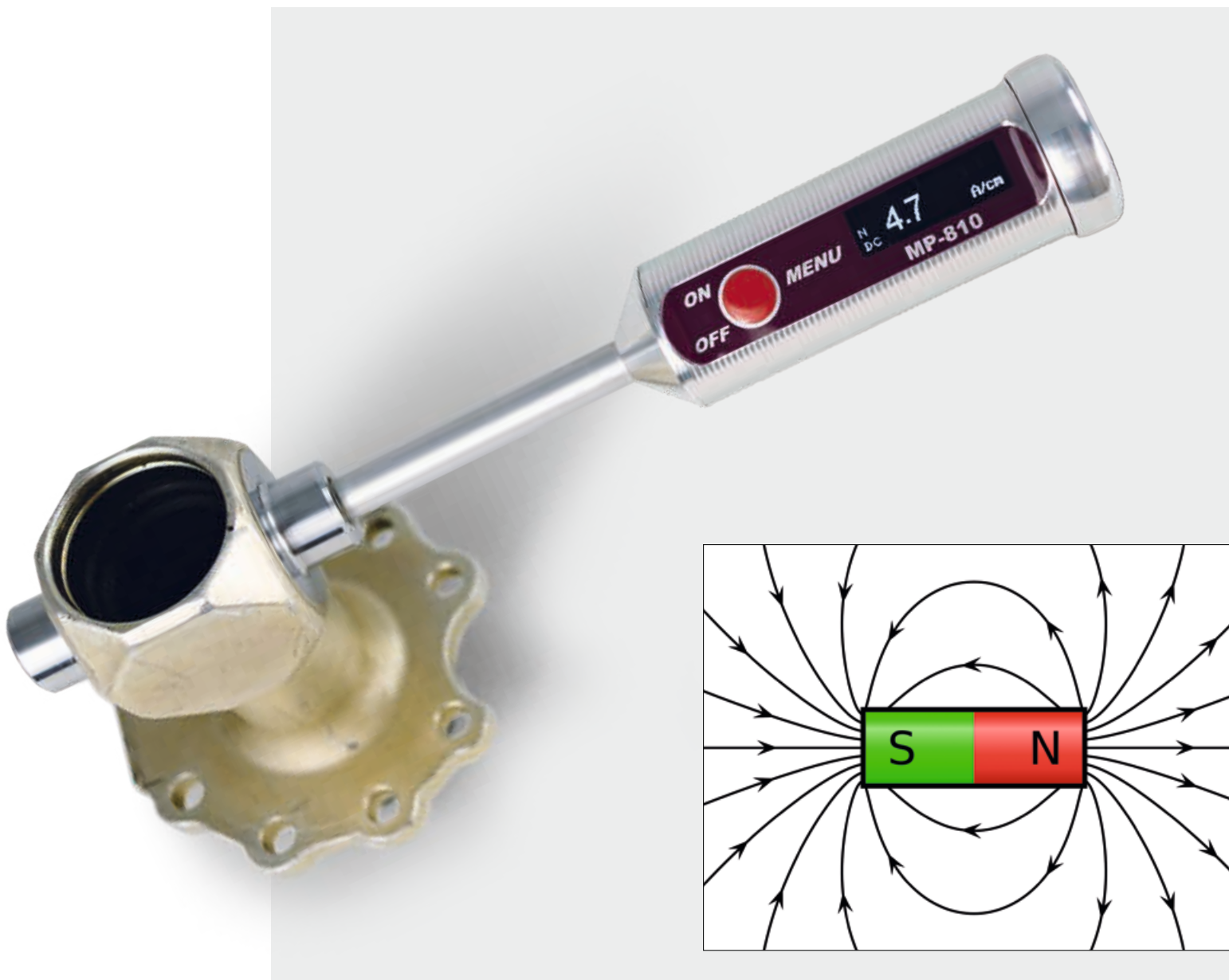


MAGNETIC FIELD MEASURING MP-810

Magnetic Field Meter/Gaussmeter



MP-810 Magnetic Field Meter

The smallest and most attractive magnetic field meter

The addition to our series of precise magnetic field measurement devices: The small, compact and attractive hand instrument **List-Magnetik MP-810** is easy to operate and comfortable to use.

To measure accurately all kinds of magnetic fields: AC fields, DC fields and maximum values in impulse fields.



MP-810 A axial

The measurement ranges and different units A/cm, kA/m, Gauss/Oersted, Tesla fulfill every requirement .

Magnetic field measurement in new design

MP-810 is available with fixed **axial probe** or with **tangential probe**

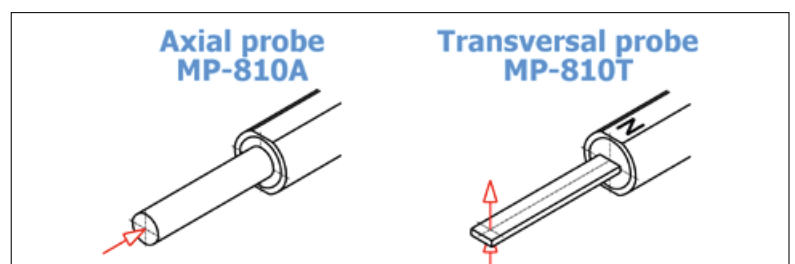
The axial field probe measures the field in direction of the probe axis in precise distance of 2 mm. It is suitable for measurement on plain surfaces, or specifically in drilled holes.

The tangential field probe measures in 90 degree angle to the probe axis particularly in air gaps, cavities and on the surface of workpieces, suitable for crack detection.



MP-810 T transversal

Measuring directions with axial and transversal probe ►



Checking with Calibration Standard

It is not necessary to calibrate the device – it is pre-calibrated at the factory.

A calibration standard with 180 A/cm is available as an option, in order to be able to check the device.

If a deviation is detected when checking with the calibration standard, we advise returning the device for recalibration at the factory.

Axial Field Probe

Place the probe inside the ring on top of the calibration standard and position or rotate the instrument until the maximum value is displayed. Then compare the displayed value to the value of the calibration standard.

Transversal Field Probe

Place the probe in the center of the ring on the top of the calibration standard with the N (North Pole) mark facing up. Position the probe until the maximum value is displayed. Then compare the displayed value to the value of the calibration standard.



The Lima Connect app records your Measurement (MP-810A / MP-810T)



Lima Connect to evaluate the measurement results on the PC

Performance table and technical Data

MP-810

MP-810A / MP-810T	
Measuring units:	A/cm – kA/m – Gauss – Oersted – Tesla switchable
Measuring probe MP-810A :	Axial field probe \varnothing 8mm with defined measuring distance of 2.0 mm
Measuring probe MP-810T :	Transversal field probe of 1.7 mm thickness with Hall Sensor distance of 0.9 mm
Measuring range DC:	0-20,000 A/cm
Measuring range AC:	2-20,000 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:	0–200 A/cm: 0.1 A/cm, 200–10,000 A/cm: 1 A/cm, > 10,000 A/cm: 10 A/cm
Frequency range AC:	20 Hz – 100 Hz
Peak Hold:	with impulse duration ≥ 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:	Bluetooth Low Energy 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 1.5V AA Mignon
Operating time:	approx. 50 hours
Dimensions:	\varnothing 28 x 140 mm
Weight:	73 g with battery

1 A/cm = 0.1 kA/m = 1.256 Gauss = 1.256 Oersted = 0.1256 mT (Millitesla)



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