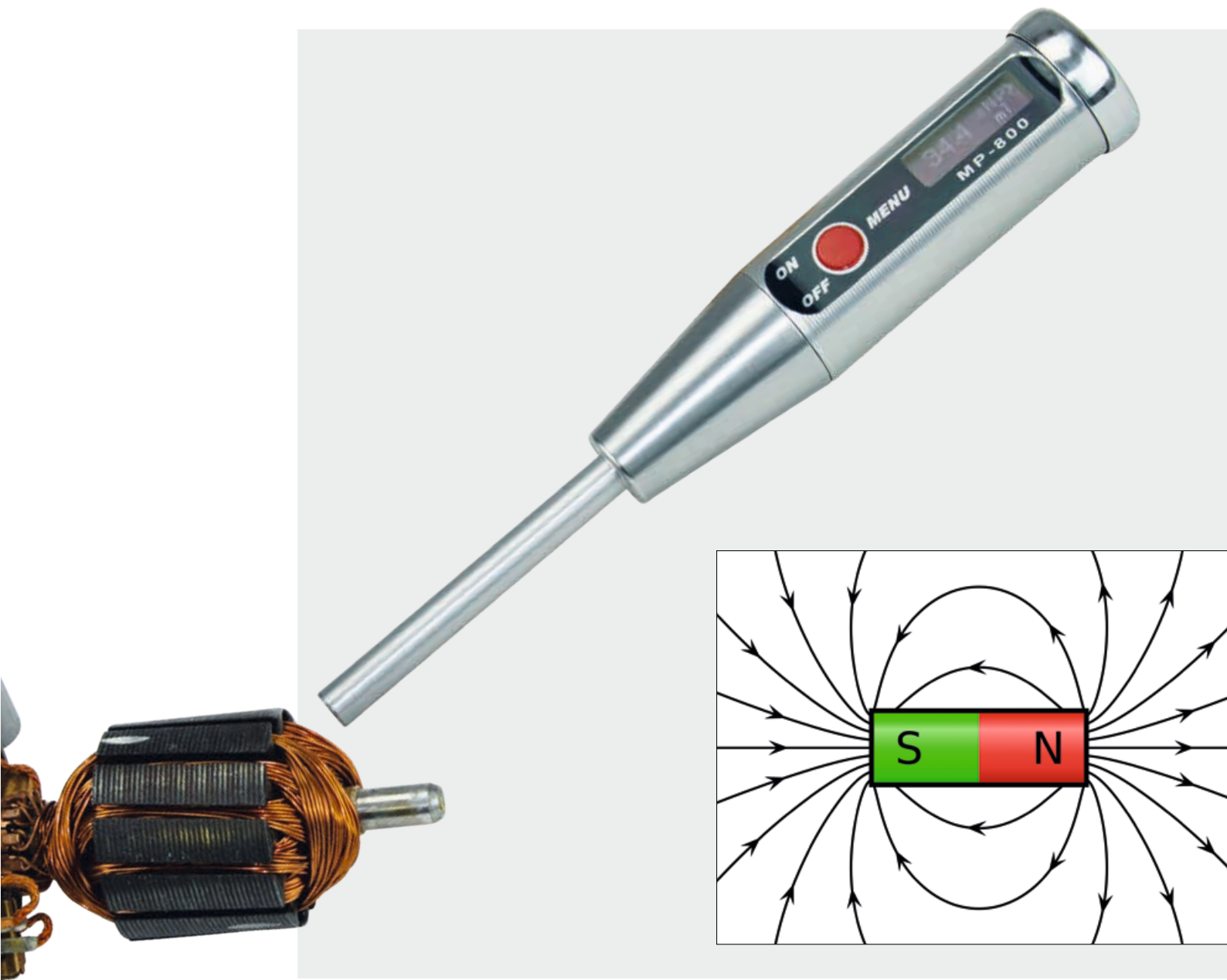


MAGNETIC FIELD MEASURING **MP-800**

Magnetic Field Meter/Gaussmeter



MP-800 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-800** 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-800 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-800 is available with fixed **axial probe** (MP-800 A / MP-800 AL) or with **tangential probe** (MP-800T / MP-800TL).

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-800 T tangential

Measuring directions with axial and tangential probe ►



Checking with Precision Calibration Standard

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

A precision 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 precision calibration standard, we advise returning the device for recalibration at the factory.

Axial Field Probe

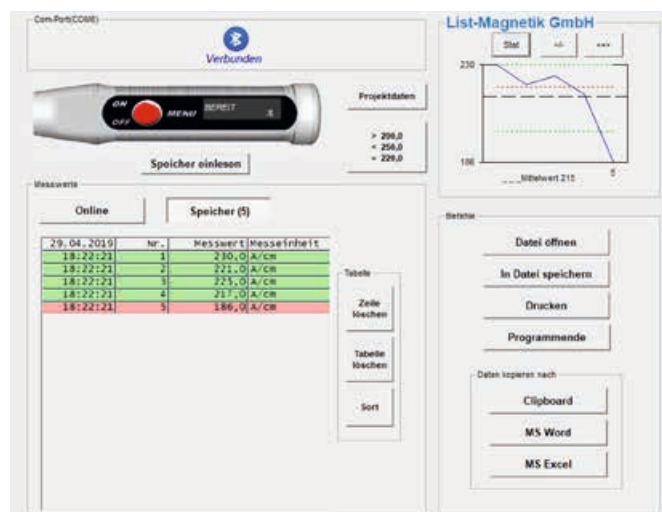
Insert the sensor vertically into the red-bordered cut-out in the calibration standard and turn the device until the max. value is displayed. Compare the value displayed with the value of the calibration standard.

Tangential Field Probe

Insert the probe into the side slot on the calibration standard with the „N“ marking (north pole) upwards, until the probe latches into place at the front. Compare the value displayed with the value of the calibration standard.



The MP-800 app records your Measurement (MP-800A / MP-800T)



MP-800TRANSFER to evaluate the measurement results on the PC

Performance table and technical Data

MP-800

	MP-800 A	MP-800 AL	MP-800 T	MP-800 TL
Measuring units:	A/cm – kA/m – Gauss(Oe) – Tesla switchable			
Measuring probe	Axial field probe ø 8mm with defined measuring distance of 2.0 mm		Tangential field probe of 1.7 mm thickness with Hall Sensor distance of 0.9 mm	
Measuring range DC	0–15.000 A/cm			
Measuring range AC	20–15.000 A/cm			
Accuracy in the homogeneous field	± 1 A/cm up to 50 A/cm, ± 2 % of measured value from 50 A/cm			
Resolution	0–200 A/cm: 0.1 A/cm, 200–600 A/cm: 1 A/cm, > 600 A/cm: 10 A/cm			
Frequency range AC	10 Hz – 5 kHz			
Peak hold	Impulse duration > = 0.1 msec.			
Display	OLED Graphic Display illuminated			
Multilingual menu navigation	German / English			
Data logger	500 measurements		500 measurements	
Statistics	Count / Maximum / Minimum / Average / Standard deviation		Count / Maximum / Minimum / Average / Standard deviation	
Interface	Bluetooth interface class 2 for communication with PC, MP-800 App and printer		Bluetooth interface class 2 for communication with PC, MP-800 App and printer	
Power supply	1 x 1.5 V AA Mignon			
Operating time	approx. 30 hours			
Dimensions	Ø 28 x 180 mm			
Weight	97 g with battery			

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



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