

Magnetic Field Meter

MP-1000 and MP-2000

MP-1000

Art. no. 133.005.027



Convenient universal device **without** measuring value memory and data interface.

Measurement of magnetic fields:

- Measurement of DC and AC fields (True-RMS)
- Integrated, very quick peak value memory for measurement of impulse fields (≥ 0.1 ms)
- Measuring range up to max 2,000 kA/m, switchable to Gauss (Oe) and A/cm
- Automatic measuring range selection
- Simple operation by one button
- Connection of tangential, axial or tongue probe possible

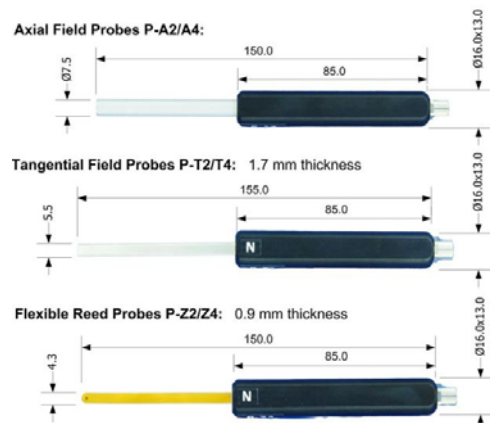
Scope of delivery:

- MP-1000 **without** measuring probe, incl. probe cable
- Calibration certificate
- Carry case

Optional

- Precision calibration standard 180 A/cm

Probes for MP-1000 and MP-2000



MP-2000

Art. no. 133.005.028



The **Magnetic field meter MP-2000** is equipped with special functions which enable professional application:

- Measurement of DC and AC fields (True-RMS)
- Integrated, very quick peak value memory for measurement of impulse fields (≥ 0.1 ms)
- Measuring range up to max. 4,000 kA/m, switchable into Tesla – Gauss and A/cm – kA/m
- Illuminated graphic display with additional analogue measurement value presentation
- Automatic measuring range selection
- Menu navigation in different languages
- Connection of tangential, axial or tongue probe possible

Optional

- Thermal printer incl. charging device and cable
- Precision calibration standard 180 A/cm
- Data transfer program TRANSFER
- Evaluation program TRANSFER-EXCEL
- Graphic evaluation program STAT-6
- Measurement data memory (10,000 measurement values), divisible into max. 100 application storage units
- Integrated RS232 and USB remote interface for recording measurement results by PC or printer

Scope of delivery

- **MP-2000 without measuring probe**, incl. probe cable
- Calibration certificate
- USB connection, remote receiver and carry case

Technical Data		MP-1000	MP-2000
Measurement Units:	A/cm - Gauss(Oe) switchable (1 A/cm = 1.256 Gauss = 1.256 Oersted)	Measuring units:	A / cm - kA / m - Gauss (Oe) - Tesla switchable (1 A/cm = 0.1 kA/m = 1.256 Gauss = 1.256 Oersted = 0.1256 mT)
Applicable measuring probes:	axial probes P-A2 and P-W2, tangential probes P-T2 and P-Z2	Applicable measuring probes:	Axial probes P-A2, P-W2 and P-A4, Tangential probes P-T2, P-T4, P-Z2, P-Z4 and P-T4A.
Measuring range DC:	0-20,000 A/cm	Measuring range DC:	0-40,000 A/cm
Measuring range AC:	20-20,000 A/cm	Measuring range AC:	20-20,000 A/cm
Accuracy:	in the homogeneous field ± 2%	Accuracy:	in the homogeneous field 0-2000 kA / m ± 2%, > 2000 kA / m ± 3% of the displayed value
Resolution:	0-100 A/cm: 0.1 A/cm >100 A/cm: 1 A/cm >10.000 A/cm: 10 A/cm	Resolution:	0 - 200 A/cm: 0.1 A/cm, > 200 A/cm: 1 A/cm, > 10.000 A/cm: 10 A/cm
AC Frequency Range:	10 Hz – 5 kHz	Frequency range AC:	10 Hz – 5 kHz
Peak Hold:	with Impulse duration ≥ 0.1 msec.	Peak Hold:	Impulse duration ≥ 0.1 msec
Display:	LCD display 3½ digit	Display:	Illuminated graphic display with additional analog display of measured values
Power Supply:	2x 1.5 V AA Mignon	Multilingual menu navigation:	German / English / Spanish / Dutch
Operating time:	approx. 35 h	Data logger:	10,000 measurements, divisible into 100 batches
Dimensions:	105 x 65 x 26 mm	Statistics:	Count / Maximum / Minimum / Average / Standard deviation
Weight:	137 g with batteries	Interface:	RS232 interface with USB cable for communication with PC and printer
		Power supply:	3x 1.5 V AA Mignon
		Operating time:	approx. 50 hours
		Dimensions:	198 x 92 x 35 mm
		Weight:	265 g with batteries

Heidgraben, August 2017
 Subject to technical changes