List-Magnetik
A COMPANY OF PCE INSTRUMENTS

MAGNETIC FIELD METER

LM-MP4000-4TF



Specification

Magnetic field AC	
Measuring range up to	0 ... 40000 A/cm
Resolution	0,1 A/cm
Accuracy	in homogeneous field ± 1 A/cm up to 50 A/cm ± 2% of the measured value from 50 A/cm ± 3% of the measured value from 20,000 A/cm
Frequency range	2 ... 20000 Hz
DC magnetic field	
Measuring range up to	0 ... 40000 A/cm
Resolution	0,1 A/cm
Accuracy	in homogeneous field ± 1 A/cm up to 50 A/cm ± 2% of the measured value from 50 A/cm ± 3% of the measured value from 20,000 A/cm

General technical data	
Measuring functions	MIN, MAX, Average value, Quantity, Standard deviation
Units	A/cm, g, Oersted, T
Units additional information	Units switchable (1 A/cm = 0.1 kA/m = 1,256 Gauss = 1,256 Oersted = 0.1256 mT)
Display Typ	LCD touchscreen
Storage capacity	10000 Measurements
Memory capacity Additional information	Measuring memory can be flexibly divided, peak value memory: with pulse time >= 0.1 msec
Data interface	Wireless, USB
Sensor additional information	Measuring distance Hall sensor: 0.5 mm Thickness of the probe: 1.2 mm Total probe length: 127 mm Length of probe handle: 65 mm Length of probe tongue: 62 mm (56 mm in 90° direction when using the contra-angle handpiece) Width of probe tongue: 4.3 mm The transverse flex probe measures the field at right angles to the direction of the exposed flex connector. It is flexible up to 180°. A 90° angle piece is supplied for free positioning
Operating time	25 h
Menu language	German, English (GB), English (US), French, Italian, Spanish
Protection class (device)	IP64
Power supply	1.5 V AA battery or 5 V (USB)
Battery/battery	3 x 1,5 V AA Battery (1,5V) , Alkali-Manganese
Battery capacity	3000 mAh
Operating conditions	0 ... 50 °C , 10 ... 90 %RH
Storage conditions	0 ... 50 °C , 10 ... 90 %RH
Dimensions (L x W x H)	150 x 85 x 35 mm
Weight	320 g