List-Magnetik
A COMPANY OF PCE INSTRUMENTS

# MAGNETIC FIELD METER

## LM-MP4000-4TR



## 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<br>± 2% of the measured value from 50 A/cm<br>± 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<br>± 2% of the measured value from 50 A/cm<br>± 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: 0.3 mm Thickness of probe tongue: 0.6 mm Width of probe tongue: 3.5 mm Length of probe tongue: 63 mm Total probe length: 127 mm PM4-TR. The transverse tongue probe measures the field at right angles to the direction of the probe tube. It is flexible by approx. 5° |
| 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 |