RADIATION DETECTOR

LM-MP810A



- **Measurement of direct and alternating magnetic fields**
- **Axial field probe**
- **OLED display**
- **Measured value memory for 4000 measurements**
- **Wireless interface**

The handy radiation detector is available as a single-handed device with an axial probe. This measures the magnetic field along the probe axis with a fixed measuring distance of 2.0 mm from the surface - ideal for precise measurements on flat surfaces or in boreholes. Despite its compact design, the radiation detector delivers high-precision measurement results - from weak field values just above the earth's magnetic field to strong magnetic fields in the range of several thousand A/cm. Residual magnetism and remanence can also be reliably detected.

Whether as a radiation detector, magnetometer, gaussmeter or tesla meter - the MP-810A fulfils all requirements for modern magnetic field measurements. The terms refer to the same device - the high measuring accuracy and reproducibility of the results are decisive. A calibration standard (reference magnet) is also available, allowing you to check and document the accuracy of your magnetic field tester at any time. The wireless interface enables convenient connection to mobile devices and PCs via the free Lima Connect app. There you can manage projects, mark measuring points on photos, analyze results statistically and display them graphically - ideal for industrial quality assurance and research.

Specification

Magnetic field AC	
Measuring range	2 ... 20000 A/cm
Resolution	0,1 A/cm
Accuracy	in homogeneous field ± 1 A/cm up to 50 A/cm, ± 2% of measured value from 50 A/cm
Frequency range	20 ... 100 Hz
Magnetic field DC	
Measuring range	0 ... 20000 A/cm
Resolution	0,1 A/cm
Accuracy	in homogeneous field ± 1 A/cm up to 50 A/cm, ± 2% of measured value from 50 A/cm

General technical data	
Measuring functions	Quantity, MAX, MIN, Average value, Standard deviation
Units	A/cm, kA/m, 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 type	OLED
Storage capacity	4000 Values
Memory capacity (additional information)	Peak value memory: Pulse time >= 0.25 sec
Interface	Wireless
Operating time	50 h
Menu language	German, English (GB), English, French, Italian, Spanish, Hungarian, Polish, Dutch
Protection class (device)	IP64
Power supply	1.5V AA Batterie
(Rechargeable) battery	1 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Performance	4,5 Wh
Operating conditions	0 ... 50 °C , 10 ... 90 % RH
Storage conditions	0 ... 50 °C , 10 ... 90 % RH
Dimensions (L x W x H)	140 x 28 x 28 mm
Weight	73 g