RADIATION DETECTOR

LM-MP810T



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

The small, compact radiation detector with transverse measuring probe works just as precisely as the large magnetic field meters. It is intuitive to operate and accurately measures direct and alternating fields as well as maximum values for pulsed fields. The radiation detector offers different measuring ranges and units of measurement such as A/cm, Gauss/Oersted and (milli)Tesla for every measuring task, so that you can find the ideal solution for your specific magnetic field measurements.

The practical radiation detector is available as a single-handed device with a transverse probe. The transverse field probe measures across the probe axis. Optimum areas of application are air gaps, cavities and the surface of workpieces for crack testing.

With a magnetic field meter, magnetometer, gaussmeter or tesla meter - all terms refer to the same measuring instrument - you can reliably recognize even the smallest differences in magnetic field strength when measuring magnetic fields. Our radiation detector enables measurements from low field values just above the earth's magnetic field, through residual magnetism and remanence with low A/cm or Gauss/Oersted values to peak fields. The radiation detector or Gauss meter is particularly durable and provides reproducible field strength values for every magnetic field test. We also offer a calibration standard (reference magnet), which you can use to check and ensure the accuracy of your magnetic field tester at any time.

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