

MAGNETIC FIELD METER

PCE-MFM 3500



- » **Adjustable alarm function**
- » **Data memory with PC connection**
- » **Temperature measurement**
- » **Switchable AC / DC measurement**
- » **Sensor alignment with bubble possible**
- » **Rubber protective cover for the handset**

The gauss meter is a reliable measuring device for measuring the existing magnetic field. This gauss meter is suitable for measuring both static (permanent magnets) and alternating magnetic fields. The flat probe of the external probe on the Milli-Gauss meter allows the operator to perform measurements even in very small openings. The measuring range of up to 30,000 G in the gauss meter covers a wide range of measuring tasks. In addition to measuring the magnetic field, the gauss meter also measures the temperature at the same time. The Milli-Gauss Meter also has an adjustable alarm function. This adjustable alarm function in the gauss meter warns the operator immediately as soon as a set measured value is exceeded.

As an additional function, the gauss meter has a memory function. Thanks to the built-in memory, measured values can be stored automatically as well as manually with the gauss meter. To analyze the measured data, the gauss meter can be connected to a PC via the mini-USB interface. With the software, the data stored on the gauss meter can be read out and analyzed. In addition, the software can be used for live viewing and operation of the gauss meter.

Specification

Magnetic field AC

Measuring range up to 0 ... 150 mT

Resolution 0,01 mT

Accuracy $\pm(5\% +20$ Digits)

DC magnetic field

Measuring range up to 0 ... 300 mT

Resolution 0,01 mT

Accuracy $\pm(4\% +10$ Digits)

General technical data

Measuring functions MIN, MAX, HOLD, peak

Display Typ LCD

Measuring rate 1 Hz

Storage medium Internal memory

Storage capacity 7000 Values

Memory capacity Additional information Manual: up to 200 values / Automatic: up to 7000 values

Sensor Hall sensor

Automatic power-off 10 min.

Automatic switch-off can be deactivated Yes

cable length 1 m

Alarm optical, Acoustic

Alarm modes If the measured value is within the set range, GO appears on the display.
If the measured value is outside the set limits, NOGO appears on the display.

Menu language English (US)

Power supply Primary: 100 ... 240 V
Secondary: 9 V, 0.5 A

Connector type Device Europlug

Battery/battery 6 x 1,5 V AAA Battery (1,5V) , Alkali-Manganese

Battery capacity 1200 mAh

Operating conditions 5 ... 40 °C , 0 ... 80 %RH

Storage conditions 0 ... 50 °C , 0 ... 70 %RH

Dimensions (L x W x H) 156 x 73 x 35 mm

Weight 320 g