

Magnetometer PCE-MFM 3500



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Gauss meter with external sensor / Measuring range up to 30,000 G / Leveling bubble / Built-up memory for up to 7,000 values / Software for live view and reading / Battery and also mains operation / Sensor cable approx. 1 m (3.3 ft) / Battery life approx. 100 hours

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.

- ▶ 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

Specifications

Measuring function

Measuring range

300.00 mT
2,000.0 mT
2,000.1 ... 3,000.0 mT

DC Milli Tesla

Resolution

0.01 mT
0.1 mT
0.1 mT

Accuracy

± (4% + 10 Dgt)
± (4% + 10 Dgt)
N / A

Measuring function

Measuring range

3,000.0 G
20,000 G
20.0001 ... 30.000 G

DC Gauss

Resolution

0.1 G
1 G
1 G

Accuracy

± (4% + 10 Dgt)
± (4% + 10 Dgt)
N / A

Measuring function

Measuring range

150.00 mT
1,500.0 mT

AC milli Tesla

Resolution

0.01 mT
0.1 mT

Accuracy

± (5% + 20 Dgt)
± (5% + 20 Dgt)

Measuring function

Measuring range

1,500.0 G
15,000 G

AC Gauss

Resolution

0.1 G
1 G

Accuracy

± (5% + 20 Dgt)
± (5% + 20 Dgt)

The accuracies refer to the following ambient conditions:

23°C / 73.4°F ± 5°C / 41°F, < 80% RH

Measuring function

Measuring range

-20 ... 50°C
-4 ... 122°F

Temperature

Resolution

± 0.1°C
± 0.18°F

Accuracy

± 1.0°C
± 1.8°F

AC frequency range

40 ... 500 Hz

Storage

Manual: up to 200 values
Automatic: up to 7,000 values

Interface

Mini USB

Display

LC display, 5 digits, display up to 30,000

Sensor

Removable, cable length approx. 1 m / 3.3 ft

Automatic switch-off function

Off or after 15 minutes

Power supply batteries

6 x 1.5V AAA

Battery Life

About 100 hours

Power supply power supply

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

Operating conditions

5 ... 40°C / 41 ... 104°F, < 80% rh

Storage conditions

0 ... 50°C / 32 ... 122°F, < 70% rh

Working height

2,000 m / 6,561.7 ft

Pollution degree

2

Dimensions

156 x 73 x 35 mm / 6.1 x 2.9 x 1.4 in

Weight

About 320 g / < 1 lb (with batteries)

More information

Manual



More product info



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Subject to change