Environmental Tester PCE-MFM 3500-ICA Incl. ISO Calibration Certificate

Electromagnetic environmental tester PCE-MFM 3500-ICA incl. ISO calibration certificate
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 magnet) 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
- Incl. ISO calibration certificate

Specifications

Measuring function	DC Milli Tesla	
Measuring range	**Resolution**	**Accuracy**
300.00 mT	0.01 mT	± (4% + 10 Dgt)
2,000.0 mT	0.1 mT	± (4% + 10 Dgt)
2,000.1 ... 3,000.0 mT	0.1 mT	N / A

Measuring function	DC Gauss	
Measuring range	**Resolution**	**Accuracy**
3,000.0 G	0.1 G	± (4% + 10 Dgt)
20,000 G	1 G	± (4% + 10 Dgt)
20.0001 ... 30.000 G	1 G	N / A

Measuring function	AC milli Tesla	
Measuring range	**Resolution**	**Accuracy**
150.00 mT	0.01 mT	± (5% + 20 Dgt)
1,500.0 mT	0.1 mT	± (5% + 20 Dgt)

Measuring function	AC Gauss	
Measuring range	**Resolution**	**Accuracy**
1,500.0 G	0.1 G	± (5% + 20 Dgt)
15,000 G	1 G	± (5% + 20 Dgt)

The accuracies refer to the following ambient conditions:
23°C / 73.4°F ± 5°C / 41°F, < 80% RH

Measuring function	Temperature	
Measuring range	**Resolution**	**Accuracy**
-20 ... 50°C	± 0.1°C	± 1.0°C
-4 ... 122°F	± 0.18°F	± 1.8°F

AC Frequency	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)

Subject to change

More information

Manual

More product info

Similar products