

Magnetometer PCE-SFS 10



**Magnetometer with a measuring range of ± 60 kV DC / Battery status display /
Simple operation / Earthing cable with alligator clip / Alignment via two lasers /
For mobile use / Temperature and humidity measurement of the environment**

An electrostatic measurement is particularly important to check whether surfaces, components or the human body are electrostatically charged. If a discharge occurs, electronic components can be damaged. In the worst case, flames can form with flammable gases and liquids. Such electrostatic charges can be found with the magnetometer. The electromagnetic field meter is therefore used for checking in ESD-protected production workshops. The measuring range of the electromagnetic field meter is ± 60 kV DC.

The magnetometer can be grounded with the alligator clip included in the scope of delivery so that the electromagnetic field meter does not lose its measurement result itself or, if necessary, damage components in a production workshop due to an electric shock. The lasers on the electromagnetic field meter are used to optimally align the sensors.

In addition to measuring radiation, the magnetometer can measure ambient temperature and humidity at the same time. For mobile use, the electromagnetic field meter is operated with a 9 V block battery. The operating time for the electromagnetic field meter is a maximum of 20 hours. The current battery charge is displayed by the electromagnetic field meter via the battery status indicator.

- ▶ Battery life of a maximum of 20 hours
- ▶ Measuring range ± 60 kV DC
- ▶ Acoustic signal when the measured value is exceeded
- ▶ Temperature and humidity display
- ▶ Laser for aligning the measuring device
- ▶ Easy to read display

Specifications

Electromagnetic field

Measuring range	±60 kV DC
Resolution	±20 kV DC: 0.01 kV DC -60 ... -20 kV DC / +20 ... +60 kV DC: 0.1 kV DC
Accuracy	±5 % of measured value

Temperature

Measuring range	-40 ... 123.8 °C / -40 ... 254.8 °F
Resolution	0.1 °C
Accuracy	±1.5 °C

Humidity

Measuring range	0 ... 100 % RH
Resolution	0.1 % RH
Accuracy	±4.5 % RH

Further specifications

Response time	<100 ms
Acoustic alarm	when switching on the measuring device, 5 seconds before the automatic shutdown, when the measuring range is exceeded
Automatic shutdown	after 5 minutes
Power supply	9 V block battery
Operating time	>20 hours
Operating conditions	0 ... 40 °C / 32 ... 104 °F, 0 ... 60% RH, non-condensing
Dimensions	123 x 70.4 x 21.5 mm / 4.8 x 2.7 x 0.84"
Weight	147 g / 5.1 oz

More information

Manual



CE Certificate



More product info



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