GAUSS METER

PCE-SFS 10



- **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**

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 gauss meter. 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 gauss meter 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 gauss meter 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.

Specification

Radiation	
Measuring range	-20 ... +20 kV DC
Resolution	0,01 kV DC
Accuracy	±5 % of Rd
Radiation	
Measuring range	-60 ... -20 kV DC
Resolution	0,1 kV DC
Accuracy	±5 % of Rd
Radiation	
Measuring range	20 ... 60 kV DC
Resolution	0,1 kV DC
Accuracy	±5 % of Rd
Relative humidity	
Measuring range	0 ... 100 %
Resolution	0,1 %
Accuracy	±4.5 %
Temperature	
Measuring range	-40 ... +123,8 °C
Resolution	0,1 °C
Accuracy	±1.5 °C

General technical data	
Measuring functions	HOLD
Display type	LCD with backlight
Sensor	Laser
Response time	100 mS
Operating time	20 h
Automatic power-off	5 min
Alarm	Acoustic
Alarm modes	when switching on the meter, 5 seconds before automatic power-off, when the measurement range is exceeded
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	Battery
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
Capacity	640 mAh
Operating conditions	0 ... 40 °C , 0 ... 60 % RH
Storage conditions	0 ... 40 °C , 0 ... 60 % RH
Dimensions (L x W x H)	123 x 70,4 x 21,5 mm
Weight	147 g

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