

SURFACE RESISTANCE METER

PCE-SRM 10



- » **2.2-inch LCD display with backlight**
- » **Temperature switchable between °C and °F**
- » **Hold function**
- » **Automatic switch-off after 5 minutes**
- » **Power supply: 9V block battery**

The surface resistance meter is ideal for precisely determining the electrical resistance of materials and surfaces in electronics manufacturing, ESD protection, laboratories and quality control. It is used to reliably determine whether a material is conductive, static dissipative or insulating, thus making a decisive contribution to the prevention of electrostatic discharge. Thanks to its compact design and ease of use, the device is ideal for both mobile use and stationary measurements and also serves as an ESD measuring device and electrostatic measuring device. Our measuring device covers a wide measuring range from $10^3 \Omega$ to $10^{10} \Omega$ and offers a measuring accuracy of 1 decade. The maximum display value is 20 GΩ; values above this indicate that the measuring range has been exceeded. The temperature measuring range is 0 ... 50°C / 32 °F ... 122°F with a deviation of $\pm 2^\circ\text{C}$ / $\pm 3.6^\circ\text{F}$. An automatic switch-off after approximately five minutes ensures energy-saving operation, while the integrated backlight and data hold function allow for convenient reading of the measured values.

This surface resistance meter has an easy-to-read 2.2-inch LCD display showing temperature, resistance, battery status and measurement mode. Three easy-to-use buttons control all functions, such as power on/off, temperature unit switching and data hold. Power is supplied by a 9 V block battery, allowing the surface resistance meter to be operated independently of the mains.

Specification

Resistance	
Measurement range up to	10 ³ Ω ... 10 ¹⁰ Ω
Resolution	1 Decade
Accuracy	1 Decade
Temperature	
Measurement range up to	0 ... 50 °C
Resolution	1 °C
Accuracy	±2 °C
Temperature	
Measurement range up to	32 ... 122 °F
Resolution	1,8 °F
Accuracy	±3.6 °F

General technical data	
Cable length	76 cm
Measuring functions	HOLD
Display type	LCD with backlight
Display size	2,2 Inch
Automatic power-off	5 min
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
Capacity	640 mAh
Operating conditions	0 ... 40 °C , 0 ... 70 % RH
Storage conditions	0 ... 60 °C , 0 ... 70 % RH
Dimensions (L x W x H)	131 x 65 x 32 mm
Weight	124 g