

SURFACE TESTING - RESISTANCE METER

PCE-SRM 20



- » **Test voltages 10V and 100V**
- » **One-button operation**
- » **Incl. 2 electrodes**
- » **2 m / 6.6 ft test leads**
- » **Logarithmic scale**

Safeguarding sensitive electronic components in manufacturing and handling environments requires precise measurement technology. The surface testing - resistance meter is the indispensable, portable instrument for quickly and reliably checking the surface resistance of materials in ESD-controlled areas.

The surface testing - resistance meter is battery-operated and has integrated parallel electrodes that enable direct testing of the material surface resistance. Thanks to the automatic test voltage selector, the surface resistance tester guarantees maximum measurement accuracy across all relevant ranges. The test voltage automatically switches from 10 V to 100 V as soon as the measured resistance exceeds the value of 1×10^5 ohms.

Two banana sockets allow the connection of external electrodes weighing around 2.25 kg. With these additional components, the surface testing - resistance meter is able to perform professional compliance measurements, such as resistance point-to-point (RTT) or resistance to ground (RTG). The measurement data obtained with this surface testing - resistance meter is essential to ensure adherence to a compliance verification plan (ANSI/ESD S20.20-2007).

The surface testing - resistance meter is ideal for use in electronics production, for testing ESD work mats, workbenches and floor coverings or even in laboratory environments and for quality assurance.

Specification

Resistance	
Measurement range up to	10 ³ Ω ... 10 ¹² Ω
Resolution	1 Decade
Accuracy	±0.5 Decade

General technical data	
Cable length	2 m
Display type	LC colour display
Display size	2,16 Inch
Standard(s)	ansi/esd s20.20-2007
Menu language	English, English (GB)
Protection class (device)	IP52
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
Capacity	640 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	0 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	190 x 125 x 50 mm
Weight	388 g