

MR - 1

hand - held product for surface resistances

Using a special 4-pole contact probe the MR-1 is used for the determination of a sufficient electromagnetic compatibility of metal-coated plastic cases.

The MR-1 is small, easy to handle and is powered by a battery or an accumulator.

The different specific resistances are specified by selecting one of the pre-programmed materials, or by measuring the specific resistance of unknown materials and entering the result.

Preferably the coat thickness is displayed, but the measurement and display of the actual resistance, the square resistance and the specific resistance is possible, too.

All measured values can be transmitted into a PC via a serial interface. Controlling the MR-1 on the other hand is not possible.



Multi purpose
resistance meters

Surface resistance meters

MR -1

Technical data

Resistance measurement

Range	10 mΩ – 1000 Ω, decadic
Resolution	10 μΩ
Range automatic	switchable
Measuring error	± 0.2% of reading ± 2 digit
Measuring current	max. 100 mA
Range selection	automatically or by using the keypad
Result display	3 ½ digits
Measuring speed	approx. 900 ms (without automatic)

Coat thickness measurement

Measurement scale	0.01 μm – 100 μm *
Measuring error	± 0.5% of reading max.
Result display	2..3 digits (depends on actual value)

Error indication

Current error	before EVERY measurement
Sense error	Display: ‚Current‘
Range overrun	Display: ‚Sense‘ Display: ‚Range‘

Parameter setup Interface

by using keypad
RS-232C (Transmit measured values only!)
Baudrate fixed to 2400 Baud

Dimensions

50 x 80 x 35 mm (WxHxD)

Power supply

9V internal battery or line voltage adapter

Weight

approx. 600 g

* These results and limits are only calculated from the measured and specific resistances!

Features

- Surface resistance measurement
- Coat thickness measurements from 0.01 μm up to 100 μm*
- Measurable specific resistances from 1 μΩcm – 100 mΩcm*
- Resistance measurement, measuring range from 10 mΩ – 1000 Ω, decadic
- Measure range automatic, switchable
- Resolution of 10 μΩ
- Measuring error ± 0.2 % of reading
- Including 14 pre - programmed material presets
- Including special measuring probe and serial interface cable
- Battery operation, power supply connector

Questions?

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Here you will get technical assistance as well as complete information regarding features, prices, shipment and reselling.

www.ohmmeter.de