MIKRO OHMMETER

PCE-MO 3001-ICA



- **Resolution of up to 1µΩ**
- **Internal temperature surveillance**
- **Large LCD**
- **USB-interface**
- **Robust plastic case**
- **Internal accumulator**
- **incl. ISO-Calibration Certificate**

Meter accumulator operated /
extensive LCD / polycarbonate ABS casing /
EN 611-1
The ohm meter is made to measure smallest electrical resistances. It uses four test cables that can be connected to the ohm meter. The ohm meter uses two test cables and a constant current source to allow stable current to flow within the measured device. The other two test cables measure the voltage drop. Due to the fact that this ohm meter is able to measure six different measurement ranges with three different measured currents, the user has the chance to observe a wide range of current.

The ohm meter is mostly used in those fields where resistance need to be estimated. Because of the measured current which can be set up to 1 A, also the smallest resistances can be measured. The wide LCD and large buttons of this ohm meter allow a comfortable use.

Specification

Resistance	
Measuring range	0 ... 2 mΩ
Resolution	1 µΩ
Accuracy	±(5% of the measured value (of m.v.) +5 digits)
Resistance	
Measuring range	0 ... 20 mΩ
Resolution	10 µΩ
Accuracy	±(4% v.Mw. +4 Digits)
Resistance	
Measuring range	0 ... 200 mΩ
Resolution	100 µΩ
Accuracy	±(4% v.Mw. +4 Digits)
Resistance	
Measuring range	0 ... 2000 mΩ
Resolution	1 mΩ
Accuracy	±(3% v-Mw. +4 Digits)
Resistance	
Measuring range	0 Ω ... 20000 mΩ
Resolution	10 mΩ
Accuracy	±(2% v.Mw. +4 Digts)
Resistance	
Measuring range	0 Ω ... 200 mΩ
Resolution	100 mΩ
Accuracy	±(2% v.Mw. +4 Digts)

General technical data	
Display Typ	LCD
Norm(en)	EN 61010-1
Response time	1 s
Housing	ABS
Measuring method	4-wire method for mΩ measurement, 3- Ladder method, 2- Ladder method
Test current	10 mA: 200 Ω 100 mA: 20 Ω / 2 Ω 1 A: 200 mΩ / 20 mΩ / 2 mΩ Accuracy: 10 mA: ± 1.5% 100 mA: ± 2.0% 1 A: ± 3.0%
Fuse(s)	Current: 2A / 250V, voltage: 500mA / 250V
Menu language	English (US), English (GB)
Protection class (device)	IP20
Power supply	12 V 2.3 Ah
Connector type	Earthing contact plug
Operating conditions	-15 ... 55 °C , 0 ... 80 %RH
Storage conditions	-20 ... 70 °C , 0 ... 80 %RH
Dimensions (L x W x H)	330 x 260 x 160 mm
Weight	3800 g

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