MILLIOHMMETER

PCE-MO 2001



- **It can be used to measure electric resistance in engine coils, generators,**
- **transformers, commutation circuits, for instance in parallel or adjoining**
- **commutation circuits, compressed commutation circuits or commutators and**
- **relays.**
- **To measure binding energy in mines, planes, boats and also for both**
- **industrial and home installations.**

This Milliohmmeter is supplied with a large 3½ positions LCD display that shows the measurement values, which is very easy to read. With the Milliohmmeter you will be able to measure electric resistance from 100 µΩ to 2000 Ω.To obtain measurement values, a constant electric current is introduced inside an object to test the voltage drop in it. Milliohmmeter has a housing protected against water splash and also it is delivered calibrated. If you wish, an ISO calibration certificate can be requested.

Specification

Resistance	
Measuring range	0 ... 200 mΩ
Resolution	0,1 µΩ
Accuracy	±0.75 % of Rd +4 digits (range up to 20 Ω), ±0.75 % of Rd +2 digits (range over 20 Ω)

Resistance	
Measuring range	0 ... 2000 mΩ
Resolution	1 mΩ
Accuracy	±0.75 % of Rd +4 digits (range up to 20 Ω), ±0.75 % of Rd +2 digits (range over 20 Ω)

Resistance	
Measuring range	0 ... 20 Ω
Resolution	10 mΩ
Accuracy	±0.75 % of Rd +4 digits (range up to 20 Ω), ±0.75 % of Rd +2 digits (range over 20 Ω)

Resistance	
Measuring range	0 ... 200 Ω
Resolution	0,1 Ω
Accuracy	±0.75 % of Rd +4 digits (range up to 20 Ω), ±0.75 % of Rd +2 digits (range over 20 Ω)

Resistance	
Measuring range	0 ... 2000 Ω
Resolution	1 Ω
Accuracy	±0.75 % of Rd +4 digits (range up to 20 Ω), ±0.75 % of Rd +2 digits (range over 20 Ω)

General technical data	
Cable length	50 cm
Display type	LCD
Display size	0,7 Inch
Measuring rate	0,4 s
Standard(s)	IEC 1010-1
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Safety standard	CAT II 20 V
Measuring method	4-wire method for mΩ measurement
Test current	1 mA: 2000 Ω / 200 Ω 10 mA: 20 Ω / 2 Ω 100 mA: 200 mΩ Accuracy: ±0.1 %
Fuse(s)	100 mA / 250 V
Performance	2,5 W
Protection class (device)	IP20
Power supply	230 V AC, 50/60 Hz
Connector type	Schuko plug
Operating conditions	0 ... 40 °C , 0 ... 80 % RH
Storage conditions	0 ... 40 °C , 0 ... 80 % RH
Dimensions (L x W x H)	170 x 120 x 90 mm
Weight	680 g

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