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INSULATION RESISTANCE METER MIC-2501



- Insulation resistance measurement:
- selectable measurement voltage in the 100...2500 V range with 100 V step,
- continuous indication of insulation resistance or leakage current,
- automatic discharge of capacitance of tested object after the insulation resistance measurement,
- acoustic signalling of five-second periods to facilitate obtaining time characteristics,
- measured test times T1, T2 i T3 to measure one or two absorption coefficients in 15, 60 and 600 s,
- indication of actual test voltage during the measurement,
- protection against measuring live objects,
- two and three-lead measurement method,
- Continuity measurement of protective and equipotential conductors according to EN 61557-4 with the >200 mA current.
- Leakage current measurement.
- Measurement of alternating and direct voltages in the 0...750 V range.
- Built-in rechargeable battery pack.
- The instruments meet the requirements of the EN 61557 standard.
- The ability to charge from car lighter (12 V) socket (additional accessories).

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MIC-2501

Insulation resistance measurement (two-lead)

Measurement range acc. to IEC 61557-2 for $R_{ISOmin}=U_{ISOmax}...1T\Omega(I_{ISOmax}=1 \text{ mA})$

Range	Resolution	Accuracy			
0.0999.9 kΩ	0.1 kΩ				
1.0009.999 MΩ	0.001 MΩ				
10.0099.99 MΩ	0.01 MΩ				
100.0999.9 MΩ	0.1 MΩ	±(3% w.m. + 20 digits)			
1.0009.999 GΩ	0.001 GΩ				
10.0099.99 GΩ	0.01 GΩ				
100.0999.9 GΩ	0.1 GΩ	1			

Values of measured resistance depending on measurement voltage

Voltage U _{iso}	Measurement range				
up to 100 V	50 GΩ				
200 V400 V	100 GΩ				
500 V900 V	250 GΩ				
1000 V2400 V	500 GΩ				
2500 V	1000 GΩ				

Continuity measurement of protective connections and equipotential bonding with 200 mA current

Measurement range acc. to EN 61557-4: 0.10...999 $\ensuremath{\Omega}$

Resolution	Accuracy			
0.01 Ω	±(2% w.m. + 3 digits)			
0.1 Ω	±(270 w.m. + 5 digits)			
1 Ω	±(4% w.m. + 3 digits)			
	0.01 Ω 0.1 Ω			

• Voltage on open terminals: 4...24 V

• Output current at R $<2 \Omega$: I_{sc} >200 mA

Compensation of test lead resistance

• Current flowing in both directions, mean value of resistance is displayed

DC and AC voltage measurement

Range	Resolution	Accuracy			
0299,9 V	0,1 V	±(3% w.m. + 2 digits)			
300750 V	1 V	±(3% w.m. + 2 digits)			

• Frequency range : 45...65 Hz



Electrical safety:

- type of insulation - measurement category

- case protection rating in acc. with EN 60529

Other technical specifications:

- power supply of the meter	NiMH 9.6 V - 2 Ah battery pack and power supply 12 V
- weight of the meter	approx. 0,9 kg
- dimensions	200 x 180 x 77 mm
- display	LCD segment display
- measurement results memory	990 cells, 11880 records

- measurement results memory
- transmission of measurement results

The acronym "m.v." stands for a "measured reference value".

double, in acc. with EN 61010-1 and IEC 61557

IV 600 V (III 1000 V) in acc. to EN 61010-1



Standard accessories:

est	lead	banana	plug;	1.8	m;	5 k	ĸ٧;	red	

- test lead banana plug; 1,8 m; 5 kV; blue
 test lead banana plug; 1,8 m; 5 kV; blue
 test lead banana plug; 1,8 m; 5 kV; black
 USB cable

- "crocodile" clip 5,5 kV; black
 "crocodile" clip 5,5 kV; red
 "crocodile" clip 5,5 kV; blue
- pin probe 5 kV with banana connector; red
 pin probe 5 kV with banana connector; black
- carrying case - power supply adaptor Z7
- meter harness
 DVD with software, including "SONEL Reader" (reading data from memory) - calibration certificate

- warranty card

WAPRZ1X8REBB WAPRZ1X8BUBB WAPRZ1X8BLBB WAPRZUSB WAKROBL20K07 WAKRORE20K07 WAKROBU20K07 WASONREOGB2 WASONBLOGB2 WAFUTM8 WAZASZ7

IP65

USB