





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 $R_{IsOmin} = U_{IsOmax} / I_{IsOmax} = 1 \text{ mA}$

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

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

Measurement range acc. to EN 61557-4: $0.10...999~\Omega$

Range	Resolution	Accuracy
0.0019.99 Ω	0.01 Ω	±(2% w.m. + 3 digits)
20.0199.9 Ω	0.1 Ω	
200999 Ω	1 Ω	±(4% w.m. + 3 digits)

- Voltage on open terminals: 4...24 V
- Output current at R $<2 \Omega$: $I_{sc}>200 \text{ mA}$
- · Compensation of test lead resistance
- Current flowing in both directions, mean value of resistance is displayed

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

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:

double, in acc. with EN 61010-1 and IEC 61557 - type of insulation IV 600 V (III 1000 V) in acc. to EN 61010-1 - 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 200 x 180 x 77 mm - dimensions - display LCD segment display - measurement results memory 990 cells, 11880 records

- transmission of measurement results

20% 90% - humidity

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

Standard accessories:

- test lead banana plug; 1,8 m; 5 kV; red - 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

USB