

AMIC-2505

HIGHEST ACCURACY & LOWEST COST



Insulation Resistance Meter

AMIC-2505

Insulation resistance measurement: 500,1000 y 2500V - $2T\Omega$.

2and 3-wire method.

AC/DC voltage measurement 0...600V.

Leakage current measurement.

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Main characteristics are the following:

Insulation resistance measurement:

- Measurement voltage: 500, 1000 y 2500 V.
- Continuous indication of insulation resistance or leakage current.
- Automatic discharge of capacitance of tested object after the insulation resistance measurement.
- Acoustic signaling of five-second periods to facilitate obtaining time characteristics.
- Measured test times T_1 , T_2 and T_3 to measure one or two absorption coefficients in the 15, 60 and 600 sec. range.
- Indication of actual test voltage during the measurement.
- Protection against measuring live objects.

Insulation resistance measurement method for two-and three-wire.

Measurement of leakage current during insulation resistance testing.

Measurement of alternating and direct voltages in the 0...600V range.

Power supply from battery packs.

The instruments meet the requirements of the EN 61557 standard.

Measurement of AC/DC voltage

Range	Resolution	Accuracy
0...600V	1V	±(3% <i>m.v.</i> + 2 digits)

Frequency range: 45...65Hz.

Specifications AMIC-2505

Electric security:

Type of insulation	Double, acc. to EN 61010-1 and IEC 61557
Measurement category	CAT IV 600V (III 1000V) acc. to EN 61010-1
Protection class acc. to EN 60529	IP54

Other technical data:

Power supply	Battery package Ni-MH of 9,6V
Weight	1,3kg
Dimensions	260 x 190 x 60 mm
Display	LCD

Insulation resistance measurement (two-lead):

Measuring range according to $R_{ISOmin} = U_{ISONom} / I_{ISOmax} \cdot 2T\Omega$ ($I_{ISOmax} = 1mA$)

Range	Resolution	Accuracy
0,0...999,9kΩ	0,1kΩ	±(3% <i>m.v.</i> + 20 digits)
1,000...9,999MΩ	0,001MΩ	
10,0...99,99MΩ	0,01MΩ	
100,0...999,9MΩ	0,1MΩ	
1,000...9,999GΩ	0,001GΩ	
10,0...99,99GΩ	0,01GΩ	
100,0...999,9GΩ	0,1GΩ	
1,000...2,000TΩ	0,001TΩ	

Values of measured resistance depending on measurement voltage

Voltage U_{ISO}	Measurement range
500V	500GΩ
1000V	1,000TΩ
2500V	2,000TΩ

"*m.v.*" = "measured value"

Standard accessories:

- Test lead banana plug; 1,8m; 5kV; red
- Test lead banana plug; 1,8m; 5kV; blue
- Test shielded lead with banana plug; 1,8m; 5kV; black
- "Crocodile" clip K02 5kV; black
- "Crocodile" clip K05 5kV; blue
- Pin probe 5kV with banana connector; red
- Carrying case L4
- Power supply adaptor Z7
- Battery pack
- Meter harness
- Calibration certificate
- Warranty card



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