

# AMIC-2505

HIGHEST ACCURACY & LOWEST COST



## Insulation Resistance Meter

# AMIC-2505

Insulation resistance measurement: 500,1000 y 2500V - 2TΩ.


2and 3-wire method.

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

Leakage current measurement.

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[www.amperis.com](http://www.amperis.com)

 AMPERIS PRODUCTS S.L  
Agricultura,34  
27003, Lugo, Spain

 Contact

+T [+34] 982 20 99 20 | F [+34] 982 20 99 11  
info@amperis.com | [www.amperis.com](http://www.amperis.com)

## 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