



## Handy in insulation resistance measurements

- **Insulation resistance measurement:**
  - » selectable measurement voltage: 250 V or 500 V,
  - » continuous indication of measured resistance,
  - » very long operation time with one set of batteries: **14 h** for measurement at  $U_{ISO} = 250 V$ , **11 h** for  $U_{ISO} = 500 V$ ,
  - » automatic discharge of tested object's capacitance after measurement of insulation resistance,
  - » acoustic determination of 5 seconds time intervals that facilitates to take time characteristics during insulation resistance measurement,
  - » measurement current **up to 1.4 mA**,
  - » protection against measurement of live objects.
- **Low voltage resistance measurement in range of 0...1999  $\Omega$ :**
  - » measurement with current of <10 mA with resolution of 0,1  $\Omega$ ,
  - » quick acoustic signalling for circuit resistance below 10  $\Omega$ .
- **AC/DC voltage measurement in range of 0...600 V:**
  - » automatic detection of voltage type (AC/DC).
- **Autoranging.**
- **Suitable for 50 Hz and 60 Hz network.**
- **Backlit LCD display.**
- **AUTO-OFF function.**
- **Built-in flashlight.**
- **Meter meets the requirements of the standard IEC 61557-1 and IEC 61557-2.**



The MIC-5 is a handy insulation resistance meter that any self-respecting electrician can sling around his neck like a doctor's stethoscope in order to always have it at hand. The instrument allows for simple and quick insulation evaluation, checking continuity of connections and measuring voltage on the object.



## Technical specifications

Measurement functions	Measurement range	Display range	Resolution	Accuracy ±(% m.v. + digits)
AC/DC voltage	0 V...600 V	0 V...600 V	1 V	±(3% m.v. + 2 digits)
<b>Insulation resistance</b>				
Measuring voltage 250 V	250 kΩ...1000 MΩ acc. to IEC 61557-2	1 kΩ...1000 MΩ	from 1 kΩ	from ±(3% m.v. + 8 digits)
Measuring voltage 500 V	500 kΩ...1999 MΩ acc. to IEC 61557-2	1 kΩ...1999 MΩ	from 1 kΩ	from ±(3% m.v. + 8 digits)
Connection resistance measurement	0.0 Ω...1999 Ω	0.0 Ω...1999 Ω	from 0.1 Ω	±(4% m.v. + 3 digits)

## Other technical data

### Safety and work conditions

Measuring category according to EN 61010	IV 600 V, III 1000 V
Ingress protection	IP65
Type of insulation according to EN 61010-1 and IEC 61557	double
Power supply	2 x AAA 1.5 V battery 2 x NiMH AAA 1.2 V rechargeable battery
Dimensions	275 x 82 x 36 mm
Weight	338 g / 315 g
Operating temperature	0...+40°C
Storage temperature	-20...+70°C
Humidity	20...90%
Nominal temperature	23 ± 2°C
Reference humidity	40%...60%

### Other information

Quality standard – development, design and production	ISO 9001
The product meets the EMC (emission for industrial environment) requirements according to standards	IEC 61326-1 IEC 61326-2-2

## Standard accessories



Screw-in tips  
Ø4 mm (4 pcs)  
WAPOZN4MMK



Inserted caps  
made of plastic  
to limit the  
length of the  
tips of test  
probes (2 pcs)  
WAPOZ04MMK



2x AAA / LR03  
alkaline battery



Declaration  
of verification

## Optional accessories



CS-1 cable  
simulator  
WAADACS1



CS-5kV cali-  
bration box  
WAADACS5KV



S-2 carry-  
ing case  
WAFUTS2