

## Insulation / Continuity Tester



### Standards Applied

**Instrument operation:**  
IEC / EN 61557-1, IEC/EN 61557-2,  
IEC / EN 61557-4, IEC/EN 61557-10

**Electromagnetic compatibility:**  
**EMC:** IEC 61326 Class B

**Safety:**  
EN/IEC 61010-1 (instrument),  
EN/IEC 61010-2-31 (accessories)

### Technical Specification

#### Insulation resistance

0 MΩ + 2 GΩ (500 V, 1000V)  
0 MΩ + 200 MΩ (250V)  
Un: 250 V, 500 V, 1000 V ≡  
In: >1 mA at 250 kΩ (250 V)  
500 kΩ (500 V)  
1 MΩ (1000 V)

Isc: <2 mA

#### Continuity

**R ±200 mA:**  
0 Ω + 2 kΩ  
Uo.c.: 4 V + 7 V ≡  
I (2 Ω): >200 mA

**Rcon:**  
0 Ω + 2 kΩ  
Uo.c.: 4 V + 7 V ≡  
Isc.: <7 mA

#### Voltage / Frequency

U: 0 V + 600 V TRMS  
f: 16 Hz + 450 Hz or ≡

#### General

Power supply	6 V DC (4 × 1.5V alkaline battery IEC LR14)
Typical operating time	>70 h
Auto power off	yes, approximately 10 min. of no activity
Display	custom LCD
Protection classification	Class II (double insulation)
Over-voltage category	CAT III 300V
Pollution degree	2
Protection degree	IP 40
Working temp. Range	0 °C + 40 °C
Dimensions (w × h × d)	280 x 70 x 80 mm
Weight (without access.)	420 g

### Insulation Resistance

- **Three different test voltages** (250, 500 and 1000 V) provide the tests required for all installations encountered.
- **Extremely wide range** of measured insulation resistance (**up to 2 GΩ**) enables periodic analysis of changes in insulation material.
- **Automatic discharge** of the equipment under test after completion of the test.

### Continuity

- 200 mA measurement with automatic polarity change.
- **Automatic compensation of test leads** (up to 5 Ω) eliminates lead resistance.
- **Continuous low current** resistance measurement for testing of electrical motors, inductive windings, transformers, etc.

### RMS Voltage and Frequency

- Warnings are given if hazardous voltages are detected.
- Auto power-off.

### Standard set

- Instrument GigaOhm 1 kV
- Measuring lead, 1.5 m black
- Measuring lead, 1.5 m red
- Test tip, black
- Test tip, red
- Carrying strap
- Instruction manual
- Declaration of conformity
- Product verification data

