

# Mi20KVe

HV INSULATION TESTER



**Mi20KVe**

- INSULATION TEST UP TO 2 TΩ / 3 TΩ / 4 TΩ
- TEST VOLTAGES : 20 kV
- GUARD TERMINAL
- RECHARGEABLE BATTERY
- MULTIPLE SCALES FOR PRECISION IMPROVEMENT
- PORTABLE, ACCURATE & RUGGED
- IP-54 PROTECTION
- CE MARK

## SPECIFICATION

Test Voltages  
20 kV.

Maximum Resistance Reading

- 1 TΩ @ 5 kV T.V.
- 2 TΩ @ 10 kV T.V.
- 3 TΩ @ 15 kV T.V.
- 4 TΩ @ 20 kV T.V.

Short Circuit Current  
500 μA ± 5 %.

Test Voltages Accuracy  
± 2 % of nominal test voltages on R ≥ 10 GΩ.

Megaohmmeter Accuracy  
Class 2 (± 2 % of full scale deflection).

Analogue Indicator  
Up to 100 mm scale length, taut band, with mirror.

Environmental Protection  
IP54 with closed lid.

## High Voltage Insulation Tester 20 kV

The MI-series High-Voltage Megohmmeter is a truly portable device that allows the measurement of insulation resistances using test voltages up to 20 kV.

It employs a state-of-the-art technology for the safe measurements of insulation resistances up to 2,000 / 3,000 / 4,000 GΩ with four test voltages (see specifications of each model).

Readings are performed through an easy-to read analogue indicator, having a broad scale. This equipment is specially well suited to test isolation resistances in transmission lines and medium voltage distribution systems, whether aerial or underground, as it allows to perform testing with voltages near to the operational value. Besides, it is an excellent auxiliary when detecting cable failures.

### Safety Class

In accordance with IEC1010-1.

### Electrostatic Immunity

In accordance with IEC 1000-4-2.

### Electro Magnetic Irradiation Immunity

In accordance with IEC 61000-4-3.

### Power Supply

Internal rechargeable 12 V - 7 Ah sealed lead acid.

### Battery Charger

For 110 - 127 or 220 VAC mains supply.

### Operating Temperature Range

- 5 °C to 50 °C.

### Storage Temperature Range

- 25 °C to 65 °C.

### Humidity Range

95 % RH (non condensing).

### Altitude Maximum

2000 m.

### Weight

Approximately 9.7 kg (including battery).

### Dimensions

378 x 308 x 175 mm.

### Included Accesories

Measuring test leads, 1.80 m (2).  
Guard test lead, 1.80 m.  
Charger power cord.  
Operating instructions.