

# Mi2550e



## 2,5kV ELECTRONIC MEGOHMMETER

- ✓ **FOUR TEST VOLTAGES:**  
0,5kV 1kV 1,5kV 2,5kV
- ✓ **INSULATION TEST UP TO**  
5.000.000 M
- ✓ **MULTIPLE RANGES FOR**  
**ACCURACY**  
**IMPROVEMENT**
- ✓ **TAUT-BAND ANALOGUE**  
**METER**
- ✓ **GUARD TERMINAL**
- ✓ **HIGH ACCURACY**
- ✓ **WEATHER RESISTANT**
- ✓ **IP-54 PROTECTION**
- ✓ **RECHARGEABLE**  
**BATTERY**
- ✓ **CE MARK**

The MI-2550e general purposes megohmmeter is a truly portable equipment suitable to measure insulation resistances using test voltages up to 2,5kV. It employs high-reliable, state-of-the-art technology for accurate measurements of ultra high insulation resistances up to 5.000.000 M with four test voltages: 0,5kV - 1kV - 1,5kV - 2,5kV. Readings are performed through an easy-to-read analogue indicator having a broad scale.

Many experienced technicians consider that insulation measurement are best performed with analogue instruments, because they get useful information from the pointer displacement along the time. This equipment is specially indicated for that people, because it is a true analogue, simple to use, cost effective, insulation resistance tester.

Insulation of low and medium voltage in electrical systems, transformers, motors, cables, electro-medical equipment and installations, distribution networks, etc., the measurement are easily performed with great reliability, using this instrument.

In order to maximize the operator's safety, this equipment was made within a plastic cabinet of high breakdown strength, with no metallic accessible parts. A light indicator warns about dangerous voltages presence both in the equipment and in the element under testing, and switches-off automatically when the discharge process has finished. This megohmmeter has a GUARD terminal that allows to remove the effects of parasitic resistances and surface currents on the isolation resistances to be measured.

Due to its reduced size and weight, its power autonomy and mechanical strength, this megohmmeter is suitable for working out in the field, under severe weather conditions. It is battery powered with an internal, rechargeable battery. In order to easily carry the cabinet, it is closed and water-, dust- and sand-resistant. It provides an IP54 protection and is supplied with a complete kit of test leads and high-voltage spikes.

# MI 2550e - TECHNICAL SPECIFICATIONS

## FOUR TEST VOLTAGES (T.V.)

0,5kV 1kV 1,5kV 2,5kV

## MAXIMUM RESISTANCE READING

1T @ 0,5kV T.V.  
2T @ 1kV T.V.  
3T @ 1,5kV T.V.  
5T @ 2,5kV T.V.

## SHORT CIRCUIT CURRENT

1mA ± 2 %

## TEST VOLTAGES ACCURACY

±2% of nominal test voltages on R 1G

## MEGOHMMETER ACCURACY

class 2 (± 2 % of full scale deflection)

## INTERNAL CURRENT LIMITING RESISTANCE

500 K @ 500 V T.P.  
1 M @ 1 kV T.P.  
1,5 M @ 1,5 kV T.P.  
2,5 M @ 2,5 kV T.P.

## ANALOGUE INDICATOR

up to 99 mm scale length, taut band, with mirror (thus avoiding parallax errors)

## ENVIRONMENTAL PROTECTION

IP54 with closed lid.

## SAFETY CLASS

Meets the requirements of IEC 61010-1/1990, IEC 61010 1/1992 amendment 2

## E.M.C

In accordance with IEC 61326-1 and 61000-4-3

## ELECTROSTATIC IMMUNITY

In accordance with IEC 1000-4-2

## POWER SUPPLY

Internal rechargeable 12 V 2.3 Ah, sealed lead acid battery

## BATTERY CHARGER

100-240V~ 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

2000m

## WEIGHT

Approx. 3,9kg

## DIMENSIONS

274 x 250 x 124 mm

## INCLUDED ACCESSORIES

- ✓ Measuring test leads, 1,80 m. (2)
- ✓ GUARD test lead, 1,80 m.
- ✓ Charger power cord.
- ✓ Protective case.
- ✓ Operating instructions

CE MARK

Technical modifications reserved.



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