



ELIT MIC-2511



Technical description

The functional insulation resistance meter Sonel MIC-2511 may be used to measure the insulation resistance using test voltage up to 2500 V. It surprises with numerous functions hidden in a neat and handy form. Due to its parameters, its robust casing with IP65 protection level, its low battery power consumption and the possibility of recharging during measurements, the meter is a reliable tool that can be used in many areas. It is ideal for checking industrial installations and catenary networks, and is also successfully used in residential buildings. The advantages of this equipment are especially appreciated by electricians working in maintenance, testing motors, cables and street lighting. The Sonel MIC-2511 meter is also useful for measurements during construction and maintenance of photovoltaic installations. It is a reliable solution created for the needs of telecommunications network installers and heating network operators, facilitating the control of the alarm system of pre-insulated pipes.

The product was developed to fully or partially meet the standards:

- IEC 61340-2-3
- IEC 61340-4-1
- IEC 61340-4-3
- IEC 61340-4-5
- IEC 61340-4-6
- IEC 61340-4-7
- IEC 61340-4-9
- IEC 61340-5-1
- IEC TR 61340-5-2
- IEC 61340-5-3
- IEC 62631-3-
- HD 60364-6
- IEC 1081

Sonel MeasureEffect

The meter is a part of the Sonel MeasureEffect platform. It is a comprehensive system that enables you to take measurements, store and manage data, and provides multi-level control of your instruments.

Features

- Measurement voltage within the range of 102500 V: selected from 10 V, 25 V, 100 V, 250 V, 500 V, 1000 V, 2500 V or 102500 V selected in steps of 10 V
- Insulation resistance measurements with a voltage of 10 V of the supervisory loop of fire alarm systems
- Testing surge protecting devices (SPD)
- Charts plotted on display during measurements
- Measurements in electrostatic protected areas (EPA)
- Correction of insulation resistance result to reference temperature
- Continuous reading of measured insulation resistance or leakage current
- Automatic discharge of the measured objects capacitance upon completion of insulation resistance measurement
- Sound signaling of five-second time intervals, facilitating capture of time characteristics
- Timing of measurement times T1, T2 and T3 for measurement of one or two absorption coefficients (Ab1, Ab2 or DAR, PI) within the range of 1 600 s
- Automatic measurement of all resistance combinations of 3-, 4- and 5-core cords and power cords by means of the optional AutoISO-2511 adapter
- Reading of actual measurement voltage during measurement
- Measurement current <2 mA
- Protection against measurement of live objects
- Two- or three-lead method of insulation resistance measurement
- Additional features

- Measurement of leakage current during measurement of RISO
- Capacitance measurement during measurement of RISO
- Low-voltage measurement of circuit continuity and resistance
- Temperature measurement (with the use of the optional ST-1 temperature probe)
- Measurement of direct and alternating voltages within the range of 0...1500 V
- 9999-entry memory, data transmission to PC via USB cable
- Power supplied by rechargeable battery
- Backlit keyboard
- The instrument meets the requirements laid down by standard EN IEC 61557
- Application

This insulation resistance meter is a device with a wide range of applications. It may be successfully operated both in residential construction industry and for inspecting industrial systems or traction networks. Due to its characteristics excellent performance, low power consumption from batteries, the option of charging during measurements, convenience of use and a high ingress protection level it is often used by electricians working in maintenance teams, testing motors, cables, street lighting or at the construction and maintenance of photovoltaic systems. The device perfectly matches the needs of installers of telecommunications networks and operators of district heating networks, where the inspection of alarm system

Advantages:

Product name/ Art.nr/ GTIN	ELIT MIC-2511/ 10170017/ 7070810030996
According to:	---