

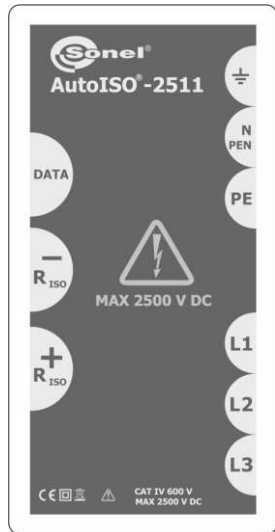


AutoISO-2511 ADAPTER



USER MANUAL

Version 1.00 20.01.2023



AutoISO-2511 adapter – front panel

1 General information

1.1 Safety symbols

The following international symbols are used in the device and/or in this manual:

	Warning. See explanation in the manual
	Ground
	Double insulation (protection class)
	Declaration of Conformity with EU directives (Conformité Européenne)
	Do not dispose of with other household waste
	Attention, risk of electric shock. The device generates a voltage of 2500 V

Measurement categories according to EN IEC 61010-2-030:

- **CAT II** – concerns measurements performed in circuits directly connected to low voltage installations,
- **CAT III** – concerns measurements performed in buildings installations,
- **CAT IV** – concerns measurements performed at the source of low voltage installation.

1.2 Safety

AutoISO-2511 adapter is used to measure the insulation resistance of cables and wires with 3, 4, and 5 conductors. In order to provide conditions for correct operation, the following recommendations must be observed:

- Before you proceed to operate the device, acquaint yourself thoroughly with this manual and observe the safety regulations and specifications defined by the producer
- Any application that differs from those specified in the present manual may result in a damage to the device and constitute a source of danger for the user.
- The adapter should be operated only by suitably qualified persons having the necessary permissions to carry out measurements on electrical systems. Operating the adapter by unauthorised personnel may result in damage to the device and constitute a source of danger for the user.
- The adapter must not be used for networks and devices in areas with special conditions, e.g. fire-risk and explosive-risk areas.
- It is unacceptable to operate the device when:
 - ⇒ it is damaged and completely or partially out of order,
 - ⇒ its cable insulation is damaged,

⇒ it was stored for an excessive period of time in disadvantageous conditions (e.g. excessive humidity). **After moving the device from a cool to a warm place with a high level of relative humidity, do not start measurements until the device is warmed up to the ambient temperature (approximately 30 minutes)**

- In a situation where the product works with other instruments or accessories, the lowest measurement category of the connected devices is used.
- Repairs may be performed only by an authorized service point.



ATTENTION!
Applying voltage to the tested object during the measurement will cause damage the adapter.

2 Description of outputs

1 DATA

A cable for connecting the adapter to an appropriate port of the meter (adapter control).

2 R_{iso}⁺, R_{iso}⁻

Cables for connecting the adapter to appropriate ports of the meter with measuring voltage U_{iso}.

3 L1, L2, L3, N PEN, PE

Cables for connecting the adapter to appropriate conductors of the tested/measured cable (wire).



ATTENTION!
The adapter may be damaged when connected to the voltage exceeding 600 V AC.



A cable to connect the adapter to earth.

3 Cleaning and maintenance



ATTENTION!
Use only the maintenance methods specified by the manufacturer in this manual.

The adapter may be cleaned with a soft, damp cloth using all-purpose detergents. Do not use any solvents or cleaning agents which may scratch the casing (powders, pastes, etc.).

The electronic system of the adapter does not require maintenance.

4 Storage

Before storage, make sure that the adapter is dry.

5 Dismantling and utilization

Worn-out electric and electronic equipment should be gathered selectively, i.e. it must not be placed with waste of another kind.

Worn-out electronic equipment should be sent to a collection point in accordance with the law of waste electrical and electronic equipment.

Before the equipment is sent to a collection point, do not dismantle any elements.

Observe local regulations concerning disposal of packages, waste batteries and accumulators.

6 Technical data

- a) insulation type acc. to EN 61010-1 double
- b) measurement cat. acc. to EN IEC 61010-2-030 IV 600 V
- c) protection class acc. to EN 60529 IP40
- d) dimensions 220 x 110 x 45 mm
- e) weight (with cables) ca. 0.8 kg
- f) operating temperature -5°C...+50°C
- g) storage temperature -20°C...+60°C
- h) humidity 20%...90%
- i) reference humidity 30%
- j) additional error due to the influence of humidity >30%
.....-0.4% m.v. for every 1% above 30% humidity

m.v. – measured value

7 Standard accessories

The standard set of equipment supplied by the manufacturer includes:

- 4x crocodile clip black 11 kV 32 A – **WAKROBL32K09**
- crocodile clip blue 11 kV 32 A – **WAKROBU32K09**
- crocodile clip yellow 11 kV 32 A – **WAKROYE32K09**
- declaration of verification

The current list of accessories can be found on the manufacturer's website.

8 Manufacturer

The manufacturer of the device and provider of guarantee and post-guarantee service:

SONEL S.A.
 Wokulskiego 11
 58-100 Świdnica
 Poland
 tel. +48 74 858 38 60
 fax +48 74 858 38 09
 E-mail: export@sonel.pl
 Web page: www.sonel.pl



ATTENTION!
Service repairs must be performed only by the manufacturer.



- AutoISO-2511 adapter is not a stand-alone measuring device. It is an accessory designed to cooperate with a dedicated meter (**MIC-2511**). The rules for using the adapter and performing measurements with it can be found in the meter's manual. Please get acquainted with it before proceeding with measurements.
- The manufacturer reserves the right to introduce changes in the design, accessories and technical data of the adapter.