AutoISO-5000
ADAPTER

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USER MANUAL

Version 1.02   17.07.2020

- AutoISO-5000 Adapter is not a stand-alone measuring device. It is an accessory designed to cooperate with MIC-5050 or MIC-10k1 insulation resistance meters. Before measurements, please read the manual of the relevant meter.
- The manufacturer reserves the right to introduce changes in the design, accessories and technical data of the adapter.

1   Safety

AutoISO-5000 Adapter is used to measure the insulation resistance of cables and wires with 3, 4, and 5 conductors (in cooperation with one of the above meters). 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 unauthorized 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)**
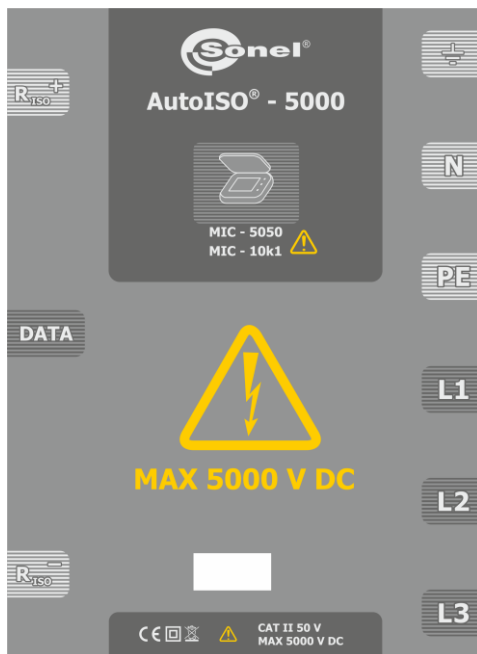- Repairs may be performed only by an authorized service point.

Fig. 1. AutoISO-5000 adapter (front panel)

2 Description of adapter 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, PE
Terminals for connecting the adapter to appropriate conductors of the tested/measured cable (wire).

> **NOTE!**
>
> The adapter may be damaged when connected to the voltage exceeding 50 V AC.

4 ⏚
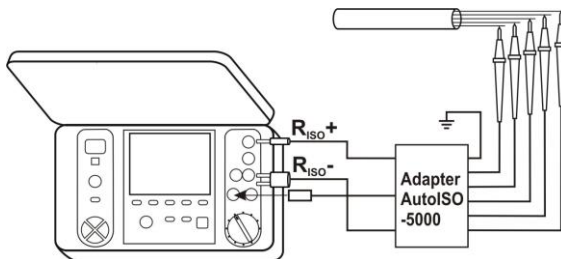A terminal to connect the adapter to earth.

Fig. 2. Connecting AutoISO-5000 Adapter to MIC-10k1 meter

3 Cleaning and maintenance

⚠️ **NOTE!**

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 Standard accessories

The standard set of equipment supplied by the manufacturer includes:
- AutoISO-5000 Adapter – **WAADAAISO50**
- cable 'G' - 1.2 m, 5 kV, black, terminated with banana plugs – **WAPRZ1X2BLBB5KVG**
- cable 'L1' -1.2 m, 5 kV, black, terminated with banana plugs – **WAPRZ1X2BLBB5KVL1**
- cable 'L2' - 1.2 m, 5 kV, black, terminated with banana plugs – **WAPRZ1X2BLBB5KVL2**
- cable 'L3' - 1.2 m, 5 kV, black, terminated with banana plugs – **WAPRZ1X2BLBB5KVL3**
- cable 'N' - 1.2 m, 5 kV, blue, terminated with banana plugs – **WAPRZ1X2BUBB5KVN**
- cable 'PE' - 1.2 m, 5 kV, yellow, terminated with banana plugs – **WAPRZ1X2YEBB5KVPE**
- crocodile clip K07 - 5.5 kV, black (4 pcs.) – **WAKROBL32K07**
- crocodile clip K07 - 5.5 kV, blue (1 pc.) – **WAKROBU32K07**
- crocodile clip K07 - 5.5 kV, yellow (1 pc.) – **WAKROYE32K07**

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

7   Technical data

a)   type of insulation .... double, according to EN 61010-1
b)   measurement category.. II 50 V acc. to EN 61010-1
c)   degree of housing protection .... IP40 acc. to EN 60529
d)   dimensions... ca. 235 x 155 x 80 mm
e)   weight (with cables)... ca. 1.7 kg
f)   storage temperature .... -20..+60°C
g)   operating temperature .... -5..+50°C
h)   humidity .... 20%...90%
i)   altitude above sea level .... ≤3000 m

8   Manufacturer

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

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NOTE!

Service repairs must be performed only by the manufacturer.