

AutoISO-5000

Test Adapter for METRISO PRIME 10

3-447-007-03

2/2.20

Applications

In order to be able to detect faults in electrical systems which are caused by defective insulation, insulation resistance must be measured between each active conductor and the protective earth conductor. The AutoISO-5000 test adapter makes it possible to run an automated test sequence for installation measurements at multi-core cables (3, 4 or 5) with the METRISO PRIME 10 test instrument. Use for other purposes is impermissible.

Safety Precautions

The test adapter has been manufactured and tested in accordance with the following safety regulations: IEC/EN 61010-1/ VDE 0411-1.

Safety of the operator, as well as that of the test adapter, is only assured when it's used for its intended purpose.

Read the operating instructions carefully and completely before placing your test adapter into service. Follow all instructions contained therein. Make sure that the operating instructions are available to all users of the device. Read the operating instructions for the METRISO PRIME 10 test instrument too.

Tests may only be performed by a qualified electrician or under the supervision and direction of a qualified electrician. Wear a suitable and appropriate personal protective equipment (PPE) whenever working with the device.

Opening the Device / Repairs

The device may only be opened by authorized, trained personnel in order to ensure flawless operation and to assure that the guarantee isn't rendered null and void.

Even original replacement parts may only be installed by authorized, trained personnel. If it can be ascertained that the device has been opened by unauthorized personnel, no guarantee claims can be honored by the manufacturer with regard to personal safety, measuring accuracy, compliance with applicable safety measures or any consequential damages. If a guarantee seal is included and it has been damaged or removed, all guarantee claims are rendered null and void.

Observe the following safety precautions:

- Make sure that the connector cables are not damaged, e.g. damaged insulation, interruption etc.



Attention!

Insulation resistance can only be measured at voltage-free objects.

- Do not touch the tips of the test probes.
- Do not use the test adapter in electrical systems or for devices in potentially explosive atmospheres, or in environments where the risk of fire exists.

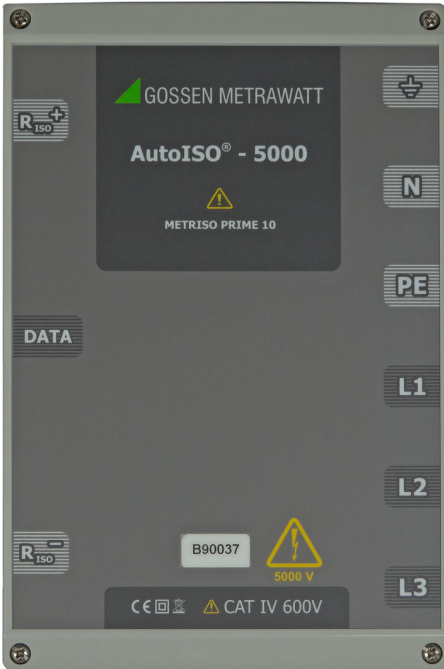
The test adapter may not be used:

- If external damage is apparent, for example if parts which conduct dangerous touch voltage are freely accessible
- With damaged connector and/or measurement cables, e.g. interrupted insulation or kinked cable
- If it no longer functions flawlessly
- If it has been stored under unfavorable conditions for a lengthy period of time (e.g. extremely high atmospheric humidity) – after moving the adapter from a cold to a warm environment with high

atmospheric humidity, do not start measurement until the device has warmed up to the new ambient temperature (approx. 30 minutes).

In such cases, the test adapter must be removed from operation and secured against unintentional use.

Connections



- 1) **DATA:** Data cable for connection to the METRISO PRIME 10 test instrument
- 2) **R_{ISO}+ / R_{ISO}-:** Connector cable for the test voltage output at the METRISO PRIME 10 test instrument
- 3) **L1, L2, L3, N, PE:** Sockets for connecting the included test cable and alligator clips



Attention!

The test adapter may not be connected to voltages of greater than 600 V!

- 4)  Socket for connecting the test adapter to ground

Meanings of Symbols on the Device

European conformity marking



The device is equipped with double insulation or reinforced insulation.



The device may not be disposed of with household trash. Further information regarding the WEEE mark can be accessed on the Internet at www.gossenmetrawatt.com by entering the search term "WEEE".

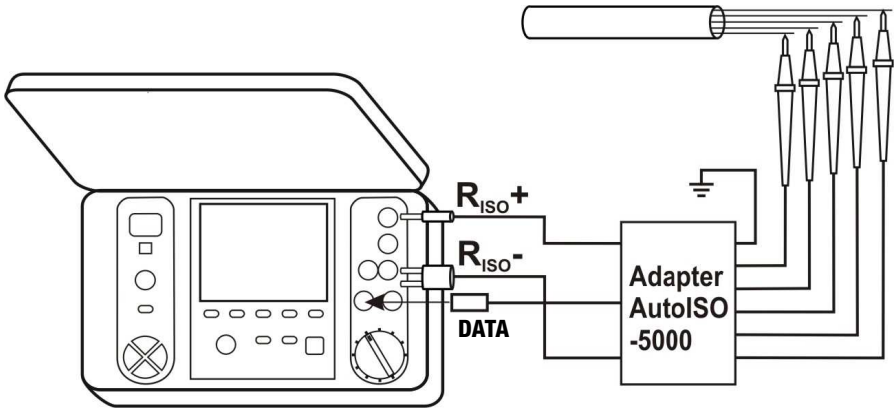


Warning concerning a point of danger (attention: observe documentation!)

CAT IV 600V Maximum permissible voltage and measuring category between connections and ground

Connecting the AutoISO-5000 test adapter: the test instrument automatically detects the

adapter and changes the display correspondingly.



Technical Data

Type of insulation	Double-insulated per EN 61010-1
Measuring category	CAT IV 600 V per EN 61010-1
Protection	IP 40
Dimensions	approx. 235 x 155 x 80 mm
Weight (incl. cable)	Approx. 1.7 kg
Storage temperature	-20 °C ... +60 °C
Operating temperature	-5 °C ... +50 °C
Humidity	20% ... 80%, no condensation allowed
Elevation	≤ 3000 m

Scope of Delivery

- 1 AutoISO-5000 test adapter (Z555Z)
- 4 Black measurement cables with safety plugs for connection to \perp , L1, L2 and L3, 1.2 m, 5 kV
- 1 Blue measurement cable with safety plug for connection to N, 1.2 m, 5 kV
- 1 Yellow measurement cable with safety plug for connection to PE, 1.2 m, 5 kV
- 4 Black alligator clips, 5.5 kV
- 1 Blue alligator clip, 5.5 kV
- 1 Yellow alligator clip, 5.5 kV

Cleaning and Maintenance

No special maintenance is required. The adapter must never be immersed in liquid, for example during cleaning. Keep outside surfaces clean. Use a slightly dampened cloth for cleaning. Avoid the use of cleansers, abrasives and solvents.

Storage

Make sure that the test adapter is dry before placing it into storage.

Return and Environmentally Sound Disposal

The device is a category 9 product (monitoring and control instrument) in accordance with ElektroG.

This device is subject to the WEEE directive. We also make reference to the fact that in this regard, the current status can be found on the Internet at www.gossenmetrawatt.com by entering the search term WEEE.

We identify our electrical and electronic devices in accordance with WEEE 2012/19/EU and ElektroG using the symbol shown at the right per DIN EN 50419. These devices may not be disposed of with household trash.

Please contact our service department regarding the return of old devices (see address below).



**Repair and Replacement Parts Service
Calibration Center and Rental Instrument Service**

If required please contact:

GMC-I Service GmbH
Service Center
Beuthener Str. 41
90471 Nürnberg, Germany
Phone: +49 911 817718-0
Fax: +49 911 817718-253
e-mail service@gossenmetrawatt.com
www.gmci-service.com

This address is only valid in Germany. Please contact our representatives or subsidiaries for service in other countries.

Product Support

If required please contact:

GMC-I Messtechnik GmbH
Product Support Hotline
Phone: +49-911-8602-0
Fax: +49 911 8602-709
e-mail: support@gossenmetrawatt.com

Declaration of conformity

This instrument fulfills all requirements of applicable EU directives and national regulations. We confirm this with the CE mark. The relevant declaration of conformity can be obtained from GMC-I Messtechnik GmbH.

Edited in Germany • Subject to change without notice

 **GOSSEN METRAWATT**

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