

PGS10

Test Probe with Pulse Current Generator for SECUSTAR FM+ and SECULIFE SB/SR

3-349-577-03
4/4.16

- For the testing of protective earth conductor connections
- For the testing of protective conductor connections with chokes
- Testing with test current in accordance with the standard (via connected test instrument) or with pulse current (generated by test probe)
- 10 A pulse current for the elimination of:
 - resistance-increasing deposits
 - layers of oxidation
 - other contamination in contact areas
- Signalling of pulse current by flashing LED below the transparent contact probe housing



Applications

The test probe is suitable for testing protective conductor connections at electrical consumers with contact resistance caused by, for example, oxidation. With contact resistance of this sort, protective conductor resistance might not comply with the specified values during testing with the minimum test current of 200 mA in accordance with the standard.

Measurement results with considerably lower impedance values can be obtained for a short time by exposing these connections to a current with a value of approx. 10 A, because resistance-increasing deposits, layers of oxidation and other contamination can thus be eliminated for a given period of time.

Ambient Conditions (EN 61 010-031)

Temperature	–20 to + 50 °C
Relative humidity	max. 90%
Elevation to	2000 meters
Pollution degree	2

Electricity Safety

Maximum rated voltage	300 V
Maximum rated current	1.5 A
Measuring category	CAT II
Fuse	internal, 1.5 A

Applicable Regulations and Standards

IEC 61010-1 DIN EN 61 010-1 VDE 0411-1	Safety requirements for electrical equipment for measurement, control and laboratory use – general requirements
DIN EN 60529 VDE 0470, part 1	Test instruments and test procedures – degrees of protection provided by enclosures (IP code)
DIN EN 61 326-1 VDE 0843-20-1	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements

Mechanical Design

Dimensions	LxWxH: 190 x 40 x 40 mm
Weight	approx. 270 g
Protection	IP 40

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Order Information

Description	Type	Article Number
Test Probe with Pulse Current Generator for SECUSTAR FM+ and SECULIFE SB/SR	PGS10	Z745Y

For additional information regarding accessories please see:

- *Measuring Instruments and Testers catalog*
- www.gossenmetrawatt.com

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