



**GIGATESTpro-SPD**

**Usage, characteristics:**

- measuring of insulation resistance with voltage 50 V ÷ 1000 V
- measuring of surge protection devices
- extended database of surge protection devices which is saved in the instrument's memory enables easy and fast data evaluation of measuring
- measuring of AC and DC voltage
- new storage system of the test tips in the transport position is patent-protected
- high contrast bright multicolour graphic OLED display ensures excellent legibility
- possibility to illuminate the measured object by a bright white LED light
- possibility to charge the battery right in the instrument

Scope of delivery: measuring instrument, twisted test lead with measuring tip, pouch, calibration certificate, warranty document, user's manual, cardboard shipping case.

<b>Insulation resistance</b>	
Measurement range	0,100 MΩ ÷ 1,999 GΩ (U = 50 V ÷ 99 V)
Nominal measurement range	0,100 MΩ ÷ 3,999 GΩ (U = 100 V ÷ 249 V)
	0,100 MΩ ÷ 9,999 GΩ (U = 250 V ÷ 1000 V)
Resolution range	0,001 MΩ / 0,01 MΩ / 0,1 MΩ / 0,001 GΩ
Basic measurement error	± (2% z MH + 10 D)* (R < 1 GΩ)
	± (4% z MH + 15 D)* (R ≥ 1 GΩ)
Operating measurement error	± (3% z MH + 20 D)* (R < 1 GΩ)
	± (5% z MH + 25 D)* (R ≥ 1 GΩ)
Nominal measurement current	≥ 1 mA
Short-circuit current	< 3 mA
Automatic discharge of the measured object	yes
<b>Surge protection devices</b>	
Measurement range	40 V ÷ 1050 V
Resolution range	1 V
Basic measurement error	± (2% z MH + 2 D)*
Operating measurement error	± (3% z MH + 3 D)*
Principle of measuring the varistor	increase of the voltage with measurement of the so-called mA (milliamper) point
Principle of measuring the gas discharge tube	increase of the voltage with the assessment of the maximum
<b>DC and AC voltage (actual effective value TRMS)</b>	
Measurement range	0 V ÷ 600 V DC/AC (45 Hz ÷ 65 Hz)
Resolution range	1 V
Basic measurement error	± (2% z MH + 2 D)*
Operating measurement error	± (3% z MH + 3 D)*
<b>Generally</b>	
Power supply	4 pcs of AAA (LR03) alkaline battery 1,5 V or NiMH battery 1,2 V
Display	OLED, multicolour, graphic
Protection level	II (double insulation )
Surge protection category	CAT III / 300 V or CAT II / 600 V
Pollution level	2
Protection type	IP43
Dimensions	approx. 260 x 70 x 40 mm
Weight (including batteries and measuring tip)	approx. 0,36 kg
* MV means measuring value, D means digit	
Article number	70 002

**Optional accessories for GIGATESTpro:** charger, battery set 4xAAA 800 mAh, 2 m measuring conductor, measuring tip, crocodile clip