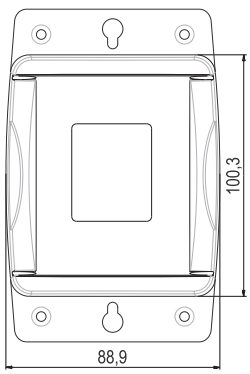
Measuring equipment

Digital lightning strike counter / CE



PBI-5

PBI-5 is intended for counting and recording a surge impulses which are caused by lightning strikes that flow through the lightning protection systems. PBI-5 is mounted directly on lightning down conductor. The current withstand of this lightning strikes counter is 100kA (10/350). By connecting the device to the protective system of the building gives you an overview of the frequency and time setout of atmospheric discharges that affect the object. Depending on the measured data in the device is then possible to perform preventative maintenance or inspection of the entire system.

Type		**PBI-5**
Threshold current	I_{tc}	1 kA (8/20)
Maximum discharge current	I_{mcw}	100 kA (10/350)
Number of events logged		999
Average baterry lifetime		5 years
Enclosure protection class		IP65
Dimensions		144 x 88 x 44
Mounting		Round of flat down conductor
Weight	m	360 g
Temperature range		-20°C ÷ +60°C
Storage temperature		-30°C ÷ +80°C
Article number		70 045

Measuring instrument GIGATESTpro-SPD / CE

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 intrument, twisted test lead with measuring tip,pouch, calibration certificate, warranty document, user's manual, cardboard shipping case.

Insulation resistance	
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

Surge protection devices	
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

DC and AC voltage (actual effective value TRMS)	
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)*

Generally	
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	70 045

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