Index: WMXXSRP10G010T0

STANDARD PROGRAMMABLE RESISTOR

SRP-10G0-10T0

SRP10G0-10T0 standard programmable resistor is a source of high resistances used as standard equipment for calibration and testing of analog and digital insulation resistance meters.

The resistance obtained thanks to the resistor can be kept for a long time under external direct voltage up to 10 kV providing that the current in the measurement circuit will not exceed 3 mA.

The required resistance is set by the user by means of the standard resistor's touch keyboard. Setting of the required value is automatic thanks to commutation of a precision resistance matrix. The control processor calculates the required combination of resistors providing the proper precision of the resultant resistance.

Technical specification:

Resistance range	Resolution	Accuracy
10...990 GΩ	10 GΩ	1% s.v.
1...10 TΩ	0.1 TΩ	1.5% s.v.

s.v - set value

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SRP-10G0-10T0

Standard accessories of SRP-10G0-10T0:

- SRP-10G0-10T0 standard programmable resistor,
- CD with SRP software,
- test lead with banana plugs, 11 kV, blue,
- test lead with banana plugs, 11 kV, red,
- 2.2 m shielded cable with banana plugs,
- operating manual,
- power cord,
- calibration certificate.

Additional technical specification:

- supply voltage U	100...240 V AC (50/60 Hz)
- maximum power consumption	75 VA
- operating temperature range	+10...30ºC
- maximum current in the measuring circuit	3 mA
- maximum operating voltage	10 000 V DC
- long-term stability of resistors	<1%
- maximum operating altitude	2000 m
- dimensions	540 x 450 x 200 mm
- weight	approx. 15 kg

The calibrators should be used at ambient temperature from 10 to 30°C, relative humidity from 25 to 60% and atmospheric pressure from 630 to 800 mm Hg.

Storage temperature range in the original packaging:
-20…+60ºC at maximum humidity 80% for temperatures up to 31ºC and with linear decrase of the relative humidity up to 50% for the temperature increase to 40ºC
Storage temperature range without packaging:
+10…+30ºC maximum relative humidity up to 80% at 35ºC