

Measuring Resistors for Testing Insulation Meters

Resistance Value	Tolerance / TC	Dielectric Strength max.	Current Load Capacity max.
100 kΩ	0.5 % / 50 ppm	250 V	2.5 mA
250 kΩ	0.5 % / 50 ppm	500 V	2.0 mA
500 kΩ	0.5 % / 50 ppm	1000 V	2.0 mA
1 MΩ	0.5 % / 50 ppm	1200 V	1.2 mA
2 MΩ	0.5 % / 50 ppm	1200 V	0.6 mA
5 MΩ	0.5 % / 50 ppm	1200 V	0.24 mA
10 MΩ	0.5 % / 50 ppm	1200 V	0.12 mA
20 MΩ	1.0 % / 50 ppm	1200 V	0.06 mA
50 MΩ	1.0 % / 50 ppm	1200 V	0.02 mA
100 MΩ	1.0 % / 50 ppm	1200 V	0.01 mA

Measuring Resistors for Testing Measuring Instruments for Low-ohmic Resistances

Resistance Value	Tolerance / TC	Current Load Capacity Continuous	Current Load Capacity Temporary *
1Ω **	1.0 % / 50 ppm	1.5 A	2.0 A, 2 min
0.05Ω **	2.5 % / 100 ppm	10.0 A	15.0 A, 15 s

* Between the load phases, wait 5 minutes for cooling

** See inscription on case / entry in protocol for exact value.

The tolerance data refer to the inscription on the case / entry in the protocol.