202-103 TERA Ohmmeter for high resistance measurement

Standards

Various

Application

The precision resistance meter is used to measure volume, surface and leakage resistance, small currents and cable resistance.

Features

For the operation and programming of the device, you can choose between internal menu guidance and the PC. The TERA-Ohmmeter has an interface, which allows further processing of the measured values and remote control of the device. You can choose between 3 fixed voltages 10 V, 100 V and 500 V or a variable measuring voltage, adjustable in 1 V steps from 1 to 500 V. The measuring voltage has a low residual ripple and in case of a short circuit a very small stored pulse energy. The continuous short-circuit current is limited to 3 mA.

Technical Data

Resistance Range	1 x 10^3 Ohm to 1,6 x 10^{15} Ohm
Current Range	0,01 pA to 1,1 mA
Voltage Range	1 V to 500 V adjustable
Timer	10 s to 300 s adjustable
Measurement rate	approx. 1 Test per second
Response Time	10 min for Precision Measurement

Dimensions and Connection

Dimensions (WxHxL)	340 x 150 x 300 mm
Weight	6 kg
Mains	100 – 240 V, 50/60 Hz
Power	approx. 20 VA
Interfaces	RS232
Others	2 LCD Displays