

Code: UT-505A

INSULATION RESISTANCE METER **UT-505A** UNI-T

The meter UT-505A is a specialized device designed to measure insulation resistance in the range from 0.01MΩ to 20GΩ.

Attention! High voltage is required to correctly measure the insulation resistance value. During the measurement one should be particularly careful and strictly follow the recommendations included in the device manual.



Resistance measurement:	<ul style="list-style-type: none"> • Test voltage 50 V : 0.01 MΩ ... 50 MΩ ± (3% + 5) • Test voltage 100 V : 0.01 MΩ ... 100 MΩ ± (3% + 5) • Test voltage 250 V : 0.01 MΩ ... 200 MΩ ± (1.5% + 5) • Test voltage 500 V : 0.01 MΩ ... 2 GΩ ± (1.5% + 5) • Test voltage 1000 V : 0.01 MΩ ... 20 GΩ ± (1.5% + 5)
Open circuit voltage:	Test voltage + 20 %
Test current:	1 mA
Short-circuit current:	< 2 mA
AC voltage measurement:	600 V ± (2% + 3) @ 0.1 V
DC voltage measurement:	600 V ± (2% + 3) @ 0.1 V
Measurement of small resistances:	20 kΩ ± (1.5% + 3) @ 0.01 Ω
Automatic change of measuring ranges:	✓
RS-232:	—
USB:	—

Main features:	<ul style="list-style-type: none"> • Analog bargraph, • Possibility to perform a comparative measurement, • Warning of using high voltage during the measurement, • Polarization index measurement (PI), • Measurement of dielectric absorption : 60s / 15s, 60s / 30s, • Save to 99 measurement results in the device memory, • True RMS - accurate measurement of the RMS current and voltage for any waveform, • Freezing the last reading, • Automatic shutdown after 3 minutes of inactivity, • Large, readable LCD display with backlight, • Low battery level alarm, • Aesthetic and solid construction
Operation temp:	0 °C ... 40 °C
Permissible relative humidity:	≤ 85 % (non-condensing)
Power supply:	6 x 1.5V, type AA/LR6/FR6 battery - included
Weight:	0.66 kg
Dimensions:	225 x 103 x 62 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years