

Code: UT-502A

## INSULATION RESISTANCE METER **UT-502A** UNI-T

The meter UT-502A is a specialized device designed to measure insulation resistance in the range from  $0\text{M}\Omega$  to  $20\text{G}\Omega$ .

**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"> <li>• Test voltage 500 V : 0 ... 5 G&amp;#937</li> <li>• Test voltage 1000 V : 0 ... 5 G&amp;#937</li> <li>• Test voltage 2500 V : 0 ... 20 GΩ</li> </ul>
Measuring accuracy:	<ul style="list-style-type: none"> <li>• 0 MΩ ... 99.9 MΩ ± (3% + 5)</li> <li>• 100 MΩ ... 10 G&amp;#937 ± (5% + 5)</li> <li>• 10 G&amp;#937 ... 20 G&amp;#937 ± (10% + 5)</li> </ul>
Open circuit voltage:	Test voltage + 10 %
Test current:	1 mA ... 1.1 mA
Short-circuit current:	< 1.8 mA
AC voltage measurement:	30 V ... 750 V ± (2% + 3) @ 1 V
DC voltage measurement:	—
Measurement of small resistances:	0 Ω ... 200 Ω ± (2% + 3) @ 0.01 Ω
Automatic change of measuring ranges:	✓
RS-232:	—
USB:	—

Main features:	<ul style="list-style-type: none"><li>• Warning of using high voltage during the measurement,</li><li>• Polarization index measurement (PI),</li><li>• Measurement of dielectric absorption : 60s / 15s, 60s / 30s,</li><li>• Automatic power-off,</li><li>• Reset function for measuring low resistances,</li><li>• Large, readable LCD display with backlight,</li><li>• Low battery level alarm,</li><li>• Aesthetic and solid construction</li></ul>
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:	0.42 kg
Dimensions:	150 x 100 x 71 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years