

Code: UT-512

INSULATION RESISTANCE METER **UT-512** UNI-T

The meter UT-512 is a specialized device designed to measure insulation resistance in the range from 0.5MΩ to 100GΩ.

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:	• Test voltage 500 V : 0.5 MΩ ... 5 GΩ • Test voltage 1000 V : 2 MΩ ... 10 GΩ • Test voltage 1500 V : 5 MΩ ... 20 GΩ • Test voltage 2500 V : 10 MΩ ... 100 GΩ
Measuring accuracy:	• 100 kΩ ... 100 MΩ ± (3% + 5) • 100 MΩ ... 10 GΩ ± (5% + 5) • 10 GΩ ... 100 GΩ ± (10% + 5)
Open circuit voltage:	Test voltage + 20 %
Test current:	1 mA ... 1.2 mA @ 500 kΩ / 500 V 1 mA ... 1.2 mA @ 1 MΩ / 1000 V 1 mA ... 1.2 mA @ 1.5 MΩ / 1500 V 1 mA ... 1.2 mA @ 2.5 MΩ / 2500 V
Short-circuit current:	< 2 mA
AC voltage measurement:	30 V ... 100 V ± (2% + 8) @ 1 V 100 V ... 600 V ± (2% + 5) @ 1 V
DC voltage measurement:	30 V ... 600 V ± (2% + 5) @ 1 V
Automatic change of measuring ranges:	✓
RS-232:	—

USB:	✓
Main features:	• Bargraf, • Possibility to perform a comparative measurement, • Warning of using high voltage during the measurement, • Polarization index measurement (PI), • Maximum duration of the measurement: 15 min, • Save to 18 measurement results in the device memory, • Large, readable LCD display with backlight, • Low battery level alarm, • Aesthetic and solid construction
Operation temp:	0 °C ... 40 °C
Permissible relative humidity:	≤ 80 % (non-condensing)
Power supply:	• 8 x 1.5V, type R14/LR14 battery - included, • 15 V DC / 600 mA (power adapter included)
Weight:	1.07 kg
Dimensions:	202 x 155 x 94 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years