

Code: UT-505A

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

Net: **213.87 EUR** Gross: **213.87 EUR**

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.



## SPECIFICATION

|                                       |                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resistance measurement:               | <ul style="list-style-type: none"><li>• Test voltage 50 V : 0.01 MΩ ... 50 MΩ ± (3% + 5)</li><li>• Test voltage 100 V : 0.01 MΩ ... 100 MΩ ± (3% + 5)</li><li>• Test voltage 250 V : 0.01 MΩ ... 200 MΩ ± (1.5% + 5)</li><li>• Test voltage 500 V : 0.01 MΩ ... 2 GΩ ± (1.5% + 5)</li><li>• Test voltage 1000 V : 0.01 MΩ ... 20 GΩ ± (1.5% + 5)</li></ul> |
| 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:                                  | —                                                                                                                                                                                                                                                                                                                                                          |

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| Main features:                 | <ul style="list-style-type: none"><li>• Analog bargraph,</li><li>• Possibility to perform a comparative measurement,</li><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>• Save to 99 measurement results in the device memory,</li><li>• True RMS - accurate measurement of the RMS current and voltage for any waveform,</li><li>• Freezing the last reading,</li><li>• Automatic shutdown after 3 minutes of inactivity,</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:                        | 0.66 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Dimensions:                    | 225 x 103 x 62 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Manufacturer / Brand:          | UNI-T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Guarantee:                     | 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

PRESENTATION

Front panel:



Rear view:



Place for batteries 6 x 1.5V AA:



In the kit:



Device is secured by handy case:



## PACKAGE

|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|