

# MULTIFUNCTION METER FOR ELECTRICAL INSTALLATIONS UT-595 UNIT

Net: **677.85 EUR** Gross: **677.85 EUR**



The UT-595 is a multifunction meter for measurements in electrical installations, dedicated to electricians. The device is also a comprehensive tester for the safety of electrical installations. The UT-595 allows you to measure insulation resistance, short circuit loop impedance with/without RCD tripping, line impedance, continuity of protective and equalizing conductors, test of trip current and RCD tripping time, AC voltage value, and the phase sequence display.

**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 250 V : 0.05 MΩ ... 250 MΩ</li> <li>Test voltage 500 V : 0.05 MΩ ... 500 MΩ</li> <li>Test voltage 1000 V : 0.05 MΩ ... 1000 MΩ</li> </ul>
Measuring accuracy:	0.05 MΩ ... 1000 MΩ ± (5% + 5)
Open circuit voltage:	Test voltage ± 10 %
Test current:	0.9 mA ... 1.1 mA
Short-circuit current:	< 1.8 mA
AC voltage measurement:	0 V ... 440 V ± (2% + 3) @ 1 V
DC voltage measurement:	0 V ... ± 440 V ± (2% + 3) @ 1 V
Measurement of small resistances:	0.01 Ω ... 200 Ω ± (2% + 5)
Frequency measurement:	20 Hz ... 100 Hz - for reference only
Test of RCDs:	<ul style="list-style-type: none"> <li>Working voltage: 220V ± 10 %</li> <li>Test current: 10mA / 30mA / 100mA / 300mA / 500mA</li> <li>Switch-off time ranges : <ul style="list-style-type: none"> <li>- 0 ... 2000 ms ± (5% + 5) @ 1/2 x nominal value of the residual current</li> <li>- 0 ... 500 ms ± (5% + 5) @ 1 x nominal value of the residual current, Selective RCD</li> <li>- 0 ... 500 ms ± (5% + 5) @ 2 x nominal value of the residual current, Selective RCD</li> <li>- 0 ... 300 ms ± (5% + 5) @ 1 x nominal value of the residual current</li> <li>- 0 ... 300 ms ± (5% + 5) @ 2 x nominal value of the residual current</li> <li>- 0 ... 40 ms ± (5% + 5) @ 5 x nominal value of the residual current</li> </ul> </li> </ul>



RCD tripping current measurement:	Increasing current test: 10 mA / 30 mA / 100 mA / 300 mA / 500 mA ± 10 %
RCD automatic test:	✓
Phase sequence test:	100 V ... 440 V / 45 Hz ... 65 Hz
Continuity measurement of protective and equalizing conductors:	0 Ω ... 199 Ω ± (2% + 5) Measuring current > 20 mA @ 0 ... 2 Ω
Line impedance measurement (L-N):	<ul style="list-style-type: none"> <li>• 0.05 Ω ... 1.99 Ω ± (5% + 5)</li> <li>• 2 Ω ... 19.99 Ω ± (5% + 5)</li> <li>• 20 Ω ... 2000 Ω ± (5% + 5)</li> </ul> Measuring current : 20 A / 20 ms Measuring range of prospective short-circuit current : 0 ... 26 kA
Short circuit loop impedance measurement (L-PE):	<ul style="list-style-type: none"> <li>• 0.05 Ω ... 1.99 Ω ± (5% + 5)</li> <li>• 2 Ω ... 19.99 Ω ± (5% + 5)</li> <li>• 20 Ω ... 2000 Ω ± (5% + 5)</li> </ul> Measuring current : 20 A / 20 ms Measuring range of prospective short-circuit current : 0 ... 26 kA
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>• Phase switch 0° / 180° during RCD test,</li> <li>• Automatic identification of AC/DC voltage,</li> <li>• Reset function for measuring low resistances,</li> <li>• Large, readable LCD display with backlight,</li> <li>• Buzzer,</li> <li>• Automatic power-off,</li> <li>• Low battery indicator,</li> <li>• Aesthetic and solid construction</li> </ul>
Operation temp:	0 °C ... 40 °C
Permissible relative humidity:	≤ 85 % (non-condensing)
Power supply:	8 x 1.5V, type AA/LR6/FR6 battery - included
Weight:	1.1 kg
Dimensions:	210 x 175 x 90 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years

## PRESNTATION

Front panel:



Top view:



Rear view:



Place for batteries 8 x 1.5V AA:



In the kit:



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All kit elements placed inside the aesthetic case:



## PACKAGE

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