Code: UT-71E

UNIVERSAL METER **UT-71E** UNI-T

Net: 233.60 EUR Gross: 233.60 EUR

The UT-71E is a universal digital meter used to measure: voltage, current, resistance, power, capacity, frequency, temperature and checking the correct operation of diodes. The meter has the function of automatic change of measuring ranges, as well as the relative measurement mode.

SPECIFICATION

DC voltage measurement:	400 mV ± (0.025% + 5) @ 0.01 mV , 4 V ± (0.05% + 5) @ 0.0001 V , 40 V ± (0.05% + 5) @ 0.001 V , 400 V ± (0.05% + 5) @ 0.01 V , 1000 V ± (0.1% + 8) @ 0.1 V
AC voltage measurement:	• 4 V @ 0.0001 V : ± (0.4% + 30) @ 45 Hz ... 1 kHz ± (3% + 30) @ 1 kHz ... 10 kHz ± (6% + 30) @ 10 kHz ... 100 kHz • 40 V @ 0.001 V : ± (0.4% + 30) @ 45 Hz ... 1 kHz ± (3% + 30) @ 1 kHz ... 10 kHz ± (6% + 30) @ 10 kHz ... 100 kHz • 400 V @ 0.01 V : ± (0.4% + 30) @ 45 Hz ... 1 kHz ± (5% + 30) @ 1 kHz ... 10 kHz • 1000 V @ 0.1 V : ± (1% + 30) @ 45 Hz ... 1 kHz ± (5% + 30) @ 1 kHz ... 5 kHz ± (10% + 30) @ 5 kHz ... 100 kHz
DC current measurement:	400 µA ± (0.1% + 15) @ 0.01 µA , 4000 µA ± (0.1% + 15) @ 0.1 µA , 40 mA ± (0.15% + 15) @ 0.001 mA , 400 mA ± (0.15% + 15) @ 0.01 mA , 10 A ± (0.5% + 30) @ 0.001 A

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AC current measurement:	• 400 µA @ 0.01 µA : ± (0.7% + 15) @ 45 Hz ... 1 kHz ± (1% + 40) @ 1 kHz ... 10 kHz • 4000 µA @ 0.1 µA : ± (0.7% + 15) @ 45 Hz ... 1 kHz ± (1% + 40) @ 1 kHz ... 10 kHz • 40 mA @ 0.001 mA : ± (0.7% + 15) @ 45 Hz ... 1 kHz ± (1% + 40) @ 1 kHz ... 10 kHz • 400 mA @ 0.01 mA : ± (0.7% + 15) @ 45 Hz ... 1 kHz ± (1% + 40) @ 1 kHz ... 10 kHz • 10 A @ 0.001 A : ± (1.5% + 20) @ 45 Hz ... 1 kHz ± (5% + 40) @ 1 kHz ... 10 kHz
Resistance measurement:	400 Ω ± (0.3% + 8) + test leads resistance @ 0.01 Ω , 4 kΩ ± (0.3% + 8) @ 0.0001 kΩ , 40 kΩ ± (0.3% + 8) @ 0.001 kΩ , 400 kΩ ± (0.5% + 20) @ 0.01 kΩ , 4 MΩ ± (1% + 40) @ 0.0001 MΩ , 40 MΩ ± (1.5% + 40) @ 0.001 MΩ
Capacitance measurement:	40 nF ± (1% + 20) + capacity of test leads @ 0.001 nF , 400 nF ± (1% + 20) @ 0.01 nF , 4 µF ± (1% + 20) @ 0.0001 µF , 40 µF ± (1% + 20) @ 0.001 µF , 400 µF ± (1.2% + 20) @ 0.01 µF , 4 mF ± (5% + 20) @ 0.0001 mF 40 mF @ 0.001 mF
Inductance measurement:	–
Frequency measurement:	40 Hz ± (0.01% + 8) @ 0.001 Hz 400 Hz ± (0.01% + 8) @ 0.01 Hz 4 kHz ± (0.01% + 8) @ 0.0001 Hz 40 kHz ± (0.01% + 8) @ 0.001 Hz 400 kHz ± (0.01% + 8) @ 0.01 Hz 4 MHz ± (0.01% + 8) @ 0.0001 MHz 40 MHz ± (0.01% + 8) @ 0.001 Hz 400 MHz @ 0.01 MHz - visual measurement
Temperature measurement:	• °C -40 ... 40 °C ± (3% + 30) @ 0.1 °C 40 ... 400 °C ± (1% + 30) @ 0.1 °C 400 ... 1000 °C ± 2.5% @ 0.1 °C, • °F -40 ... 32 °F ± (4% + 50) @ 0.1 °F 32 ... 752 °F ± (1.5% + 50) @ 0.1 °F 752 ... 1832 °F ± 3% @ 0.1 °F
Power measurement:	• Nominal power : 2500 W ± (2% + 10) @ 0.1 W, • Apparent Power : 2500 VA ± (2% + 10) @ 0.1 VA, • Power factor (cosφ) : 0 ... 1 ± (1% + 10) @ 0.001,
Automatic change of measuring ranges:	✓
hFE:	–
Diode test:	✓
Sound signal of the continuity test:	✓
RS-232:	–
Checking TTL logic states:	–
USB:	✓

Main features:	• Freezing the last reading, • Freezing the highest or lowest measurement, • Writing the value peak, • REL - relative measurement mode, • Analog bargraph, • Possibility to save readings, access saved results and send them to a computer using the USB interface, • Large, readable LCD display with backlight, • Low battery level alarm, • Aesthetic and solid construction, • The set includes short test leads with crocodile clips, • The set includes a practical case
Power supply:	9V, type 6F22 battery - included
Weight:	0.38 kg
Dimensions:	203 x 93 x 40 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years

PRESENTATION

Front panel:

Rear view:

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Place for 9V battery:

In the kit:

Device is secured by handy case:

PACKAGE

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