

Code: UT-71E

UNIVERSAL METER UT-71E UNI-T

Net: 911.07 PLN Gross: 1 120.62 PLN

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 \pm (0.025% + 5) @ 0.01 mV , 4 V \pm (0.05% + 5) @ 0.0001 V , 40 V \pm (0.05% + 5) @ 0.001 V , 400 V \pm (0.05% + 5) @ 0.01 V , 1000 V \pm (0.1% + 8) @ 0.1 V
AC voltage measurement:	<ul style="list-style-type: none"> • 4 V @ 0.0001 V : \pm (0.4% + 30) @ 45 Hz ... 1 kHz \pm (3% + 30) @ 1 kHz ... 10 kHz \pm (6% + 30) @ 10 kHz ... 100 kHz • 40 V @ 0.001 V : \pm (0.4% + 30) @ 45 Hz ... 1 kHz \pm (3% + 30) @ 1 kHz ... 10 kHz \pm (6% + 30) @ 10 kHz ... 100 kHz • 400 V @ 0.01 V : \pm (0.4% + 30) @ 45 Hz ... 1 kHz \pm (5% + 30) @ 1 kHz ... 10 kHz • 1000 V @ 0.1 V : \pm (1% + 30) @ 45 Hz ... 1 kHz \pm (5% + 30) @ 1 kHz ... 5 kHz \pm (10% + 30) @ 5 kHz ... 100 kHz
DC current measurement:	400 μ A \pm (0.1% + 15) @ 0.01 μ A , 4000 μ A \pm (0.1% + 15) @ 0.1 μ A , 40 mA \pm (0.15% + 15) @ 0.001 mA , 400 mA \pm (0.15% + 15) @ 0.01 mA , 10 A \pm (0.5% + 30) @ 0.001 A

AC current measurement:	<ul style="list-style-type: none"> • 400 μA @ 0.01 μA : $\pm (0.7\% + 15)$ @ 45 Hz ... 1 kHz $\pm (1\% + 40)$ @ 1 kHz ... 10 kHz • 4000 μA @ 0.1 μA : $\pm (0.7\% + 15)$ @ 45 Hz ... 1 kHz $\pm (1\% + 40)$ @ 1 kHz ... 10 kHz • 40 mA @ 0.001 mA : $\pm (0.7\% + 15)$ @ 45 Hz ... 1 kHz $\pm (1\% + 40)$ @ 1 kHz ... 10 kHz • 400 mA @ 0.01 mA : $\pm (0.7\% + 15)$ @ 45 Hz ... 1 kHz $\pm (1\% + 40)$ @ 1 kHz ... 10 kHz • 10 A @ 0.001 A : $\pm (1.5\% + 20)$ @ 45 Hz ... 1 kHz $\pm (5\% + 40)$ @ 1 kHz ... 10 kHz
Resistance measurement:	<p>400 $\Omega \pm (0.3\% + 8)$ + test leads resistance @ 0.01 Ω , 4 k$\Omega \pm (0.3\% + 8)$ @ 0.0001 kΩ , 40 k$\Omega \pm (0.3\% + 8)$ @ 0.001 kΩ , 400 k$\Omega \pm (0.5\% + 20)$ @ 0.01 kΩ , 4 M$\Omega \pm (1\% + 40)$ @ 0.0001 MΩ , 40 M$\Omega \pm (1.5\% + 40)$ @ 0.001 MΩ</p>
Capacitance measurement:	<p>40 nF $\pm (1\% + 20)$ + capacity of test leads @ 0.001 nF , 400 nF $\pm (1\% + 20)$ @ 0.01 nF , 4 μF $\pm (1\% + 20)$ @ 0.0001 μF , 40 μF $\pm (1\% + 20)$ @ 0.001 μF , 400 μF $\pm (1.2\% + 20)$ @ 0.01 μF , 4 mF $\pm (5\% + 20)$ @ 0.0001 mF 40 mF @ 0.001 mF</p>
Inductance measurement:	—
Frequency measurement:	<p>40 Hz $\pm (0.01\% + 8)$ @ 0.001 Hz 400 Hz $\pm (0.01\% + 8)$ @ 0.01 Hz 4 kHz $\pm (0.01\% + 8)$ @ 0.0001 Hz 40 kHz $\pm (0.01\% + 8)$ @ 0.001 Hz 400 kHz $\pm (0.01\% + 8)$ @ 0.01 Hz 4 MHz $\pm (0.01\% + 8)$ @ 0.0001 MHz 40 MHz $\pm (0.01\% + 8)$ @ 0.001 Hz 400 MHz @ 0.01 MHz - visual measurement</p>
Temperature measurement:	<ul style="list-style-type: none"> • $^{\circ}$C -40 ... 40 $^{\circ}$C $\pm (3\% + 30)$ @ 0.1 $^{\circ}$C 40 ... 400 $^{\circ}$C $\pm (1\% + 30)$ @ 0.1 $^{\circ}$C 400 ... 1000 $^{\circ}$C $\pm 2.5\%$ @ 0.1 $^{\circ}$C, • $^{\circ}$F -40 ... 32 $^{\circ}$F $\pm (4\% + 50)$ @ 0.1 $^{\circ}$F 32 ... 752 $^{\circ}$F $\pm (1.5\% + 50)$ @ 0.1 $^{\circ}$F 752 ... 1832 $^{\circ}$F $\pm 3\%$ @ 0.1 $^{\circ}$F
Power measurement:	<ul style="list-style-type: none"> • Nominal power : 2500 W $\pm (2\% + 10)$ @ 0.1 W, • Apparent Power : 2500 VA $\pm (2\% + 10)$ @ 0.1 VA, • Power factor (cosφ) : 0 ... 1 $\pm (1\% + 10)$ @ 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:	<ul style="list-style-type: none"> • 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:



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
----------------------------------	--------------------