

Code: UT-71D

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

Net: **120.97 EUR** Gross: **120.97 EUR**



The UT-71D is a universal digital meter used to measure: voltage, current, resistance, inductance, capacitance, 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:	• 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:	• 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:	400 $\Omega \pm (0.3\% + 8)$ + test leads resistance @ 0.01 Ω , 4 k $\Omega \pm (0.3\% + 8)$ @ 0.0001 k Ω , 40 k $\Omega \pm (0.3\% + 8)$ @ 0.001 k Ω , 400 k $\Omega \pm (0.5\% + 20)$ @ 0.01 k Ω , 4 M $\Omega \pm (1\% + 40)$ @ 0.0001 M Ω , 40 M $\Omega \pm (1.5\% + 40)$ @ 0.001 M Ω
Capacitance measurement:	40 nF $\pm (1\% + 20)$ + capacity of test leads @ 0.001 nF , 400 nF $\pm (1\% + 20)$ @ 0.01 nF , 4 μ F $\pm (1\% + 20)$ @ 0.0001 μ F , 40 μ F $\pm (1\% + 20)$ @ 0.001 μ F , 400 μ F $\pm (1.2\% + 20)$ @ 0.01 μ F , 4 mF $\pm (5\% + 20)$ @ 0.0001 mF 40 mF @ 0.001 mF
Inductance measurement:	—
Frequency measurement:	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
Temperature measurement:	• $^{\circ}$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
Automatic change of measuring ranges:	✓
hFE:	—
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
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:



Place for batteries 2 x 1.5V AAA:



In the kit:



Device is secured by handy case:

DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>
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PACKAGE

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