

Code: UT-139C

UNIVERSAL METER **UT-139C** UNI-T

Net: **61.33 EUR** Gross: **61.33 EUR**



The UT-139C is a universal digital meter used to measure: voltage, current, resistance, capacity, frequency, temperature and checking the correct operation of diodes. EF function - enables non-contact voltage detection eg in wires, in the range of 50V ... 400V.

The kit includes a thermocouple of type "K" (chromel/alumel).

SPECIFICATION

DC voltage measurement:	40 mV \pm (0.5% + 2) @ 10 μ V , 400 mV \pm (0.5% + 2) @ 0.1 mV , 4 V \pm (0.7% + 3) @ 1 mV , 40 V \pm (0.7% + 3) @ 10 mV , 400 V \pm (0.7% + 3) @ 0.1 V , 600 V \pm (0.7% + 3) @ 1 V
AC voltage measurement:	<ul style="list-style-type: none">• V.F.C. OFF (45 Hz ... 1000 Hz) : 40 mV \pm (1.0% + 3) @ 10 μ V , 400 mV \pm (1.0% + 3) @ 0.1 mV , 4 V \pm (0.8% + 3) @ 1 mV , 40 V \pm (0.8% + 3) @ 10 mV , 400 V \pm (0.8% + 3) @ 0.1 V , 600 V \pm (1.0% + 3) @ 1 V , <ul style="list-style-type: none">• V.F.C. ON (45 Hz ... 400 Hz) : 200 V ... 600 V \pm (4.0% + 3) @ 0.1 V / 1 V
DC current measurement:	400 μ A \pm (0.7% + 2) @ 0.1 μ A , 4000 μ A \pm (0.7% + 2) @ 1 μ A , 40 mA \pm (0.7% + 2) @ 10 μ A , 400 mA \pm (0.7% + 2) @ 0.1 mA , 4 A \pm (1.0% + 3) @ 1 mA , 10 A \pm (1.0% + 3) @ 10 mA , Current clamp measurement (not included) : 60 A \pm (1.0% + 3) @ 0.01 A

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AC current measurement:	<p>400 $\mu\text{A} \pm (1.0\% + 3)$ @ 0.1 μA , 4000 $\mu\text{A} \pm (1.0\% + 3)$ @ 1 μA , 40 mA $\pm (1.0\% + 3)$ @ 10 μA , 400 mA $\pm (1.0\% + 3)$ @ 0.1 mA , 4 A $\pm (1.2\% + 3)$ @ 1 mA , 10 A $\pm (1.2\% + 3)$ @ 10 mA ,</p> <p>Current clamp measurement (not included) : 60 A $\pm (1.2\% + 3)$ @ 0.01 A</p>
Resistance measurement:	<p>400 $\Omega \pm (1.0\% + 2)$ @ 0.1 Ω , 4 k$\Omega \pm (1.0\% + 2)$ @ 1 Ω , 40 k$\Omega \pm (1.0\% + 2)$ @ 10 Ω , 400 k$\Omega \pm (1.0\% + 2)$ @ 100 Ω , 4 M$\Omega \pm (1.0\% + 2)$ @ 1 kΩ , 40 M$\Omega \pm (1.2\% + 3)$ @ 10 kΩ</p>
Capacitance measurement:	<p>9.999 nF $\pm (4.0\% + 10)$ @ 1 pF , 99.99 nF ... 999.9 $\mu\text{F} \pm (4.0\% + 5)$ @ 10 pF / 0.1 μF , 9.999 mF ... 99.99 mF $\pm 10.0\%$ (≤ 2 mF) @ 1 μF / 10 μF</p>
Inductance measurement:	—
Frequency measurement:	9.999 Hz ... 9.999 MHz $\pm (0.15 + 4)$ @ 0.001 Hz ... 0.001 MHz
Square-wave signal duty ratio measurement:	1 % ... 99.9 % @ 0.1 %
Temperature measurement:	<p>• $^{\circ}\text{C}$:</p> <p>-40 ... 0 $^{\circ}\text{C} \pm 3$ @ 1 $^{\circ}\text{C}$, 0 ... 100 $^{\circ}\text{C} \pm (1.0\% + 3)$ @ 1 $^{\circ}\text{C}$, 100 ... 1000 $^{\circ}\text{C} \pm (2.0\% + 3)$ @ 1 $^{\circ}\text{C}$,</p> <p>• $^{\circ}\text{F}$:</p> <p>-40 ... 32 $^{\circ}\text{F} \pm 5$ @ 1 $^{\circ}\text{F}$, 32 ... 212 $^{\circ}\text{F} \pm (1.5\% + 5)$ @ 1 $^{\circ}\text{F}$, 212 ... 1832 $^{\circ}\text{F} \pm (2.5\% + 5)$ @ 1 $^{\circ}\text{F}$</p>
hFE:	—
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
Main features:	<ul style="list-style-type: none"> • Large, readable LCD display with backlight • EF function - enables non-contact voltage detection eg in wires, in the range of 50V ... 400V • Hold - stopping the meter reading • REL - relative measurement mode • V.F.C. function - allows to measure the AC voltage values using low-pass filter with a frequency limit of 400 Hz • Aesthetic and solid construction
Power supply:	2 x 1.5V, type AA/LR6/FR6 battery - included
Dimensions:	176 x 81 x 48 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years

PRESENTATION



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Rear view:



In the kit:



PACKAGE

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