

Code: UT-139C

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

Net: **60.86 EUR** Gross: **60.86 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 $\mu$ 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"><li>• V.F.C. OFF (45 Hz ... 1000 Hz) :</li></ul> 40 mV $\pm$ (1.0% + 3) @ 10 $\mu$ 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"><li>• V.F.C. ON (45 Hz ... 400 Hz) :</li></ul> 200 V ... 600 V $\pm$ (4.0% + 3) @ 0.1 V / 1 V
DC current measurement:	400 $\mu$ A $\pm$ (0.7% + 2) @ 0.1 $\mu$ A , 4000 $\mu$ A $\pm$ (0.7% + 2) @ 1 $\mu$ A , 40 mA $\pm$ (0.7% + 2) @ 10 $\mu$ 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

AC current measurement:	<p>400 <math>\mu</math>A <math>\pm</math> (1.0% + 3) @ 0.1 <math>\mu</math>A ,  4000 <math>\mu</math>A <math>\pm</math> (1.0% + 3) @ 1 <math>\mu</math>A ,  40 mA <math>\pm</math> (1.0% + 3) @ 10 <math>\mu</math>A ,  400 mA <math>\pm</math> (1.0% + 3) @ 0.1 mA ,  4 A <math>\pm</math> (1.2% + 3) @ 1 mA ,  10 A <math>\pm</math> (1.2% + 3) @ 10 mA ,</p> <p>Current clamp measurement (not included) :  60 A  <math>\pm</math> (1.2% + 3)  @ 0.01 A</p>
Resistance measurement:	<p>400 <math>\Omega</math> <math>\pm</math> (1.0% + 2) @ 0.1 <math>\Omega</math> ,  4 k<math>\Omega</math> <math>\pm</math> (1.0% + 2) @ 1 <math>\Omega</math> ,  40 k<math>\Omega</math> <math>\pm</math> (1.0% + 2) @ 10 <math>\Omega</math> ,  400 k<math>\Omega</math> <math>\pm</math> (1.0% + 2) @ 100 <math>\Omega</math> ,  4 M<math>\Omega</math> <math>\pm</math> (1.0% + 2) @ 1 k<math>\Omega</math> ,  40 M<math>\Omega</math> <math>\pm</math> (1.2% + 3) @ 10 k<math>\Omega</math></p>
Capacitance measurement:	<p>9.999 nF <math>\pm</math> (4.0% + 10) @ 1 pF ,  99.99 nF ... 999.9 <math>\mu</math>F <math>\pm</math> (4.0% + 5) @ 10 pF / 0.1 <math>\mu</math>F ,  9.999 mF ... 99.99 mF <math>\pm</math> 10.0% (<math>\leq</math> 2 mF) @ 1 <math>\mu</math>F / 10 <math>\mu</math>F</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>• <math>^{\circ}</math>C :</p> <p>-40 ... 0 <math>^{\circ}</math>C <math>\pm</math> 3 @ 1 <math>^{\circ}</math>C ,  0 ... 100 <math>^{\circ}</math>C <math>\pm</math> (1.0% + 3) @ 1 <math>^{\circ}</math>C ,  100 ... 1000 <math>^{\circ}</math>C <math>\pm</math> (2.0% + 3) @ 1 <math>^{\circ}</math>C ,</p> <p>• <math>^{\circ}</math>F :</p> <p>-40 ... 32 <math>^{\circ}</math>F <math>\pm</math> 5 @ 1 <math>^{\circ}</math>F ,  32 ... 212 <math>^{\circ}</math>F <math>\pm</math> (1.5% + 5) @ 1 <math>^{\circ}</math>F ,  212 ... 1832 <math>^{\circ}</math>F <math>\pm</math> (2.5% + 5) @ 1 <math>^{\circ}</math>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"> <li>• Large, readable LCD display with backlight</li> <li>• EF function - enables non-contact voltage detection eg in wires, in the range of 50V ... 400V</li> <li>• Hold - stopping the meter reading</li> <li>• REL - relative measurement mode</li> <li>• V.F.C. function - allows to measure the AC voltage values using low-pass filter with a frequency limit of 400 Hz</li> <li>• Aesthetic and solid construction</li> </ul>
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



DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>  
POL; 60-713 Poznań; Graniczna 10  
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60



Rear view:



In the kit:



**PACKAGE**

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