

Code: UT-139C

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

Net: **61.83 EUR** Gross: **61.83 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:	• V.F.C. OFF (45 Hz ... 1000 Hz) : 40 mV $\pm (1.0\% + 3)$ @ 10 μV , 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 , • 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

AC current measurement:	$400\ \mu\text{A} \pm (1.0\% + 3)$ @ $0.1\ \mu\text{A}$, $4000\ \mu\text{A} \pm (1.0\% + 3)$ @ $1\ \mu\text{A}$, $40\ \text{mA} \pm (1.0\% + 3)$ @ $10\ \mu\text{A}$, $400\ \text{mA} \pm (1.0\% + 3)$ @ $0.1\ \text{mA}$, $4\ \text{A} \pm (1.2\% + 3)$ @ $1\ \text{mA}$, $10\ \text{A} \pm (1.2\% + 3)$ @ $10\ \text{mA}$, Current clamp measurement (not included) : $60\ \text{A}$ $\pm (1.2\% + 3)$ @ $0.01\ \text{A}$
Resistance measurement:	$400\ \Omega \pm (1.0\% + 2)$ @ $0.1\ \Omega$, $4\ \text{k}\Omega \pm (1.0\% + 2)$ @ $1\ \Omega$, $40\ \text{k}\Omega \pm (1.0\% + 2)$ @ $10\ \Omega$, $400\ \text{k}\Omega \pm (1.0\% + 2)$ @ $100\ \Omega$, $4\ \text{M}\Omega \pm (1.0\% + 2)$ @ $1\ \text{k}\Omega$, $40\ \text{M}\Omega \pm (1.2\% + 3)$ @ $10\ \text{k}\Omega$
Capacitance measurement:	$9.999\ \text{nF} \pm (4.0\% + 10)$ @ $1\ \text{pF}$, $99.99\ \text{nF} \dots 999.9\ \mu\text{F} \pm (4.0\% + 5)$ @ $10\ \text{pF} / 0.1\ \mu\text{F}$, $9.999\ \text{mF} \dots 99.99\ \text{mF} \pm 10.0\%$ ($\leq 2\ \text{mF}$) @ $1\ \mu\text{F} / 10\ \mu\text{F}$
Inductance measurement:	—
Frequency measurement:	$9.999\ \text{Hz} \dots 9.999\ \text{MHz} \pm (0.15 + 4)$ @ $0.001\ \text{Hz} \dots 0.001\ \text{MHz}$
Square-wave signal duty ratio measurement:	$1\ \% \dots 99.9\ \%$ @ $0.1\ \%$
Temperature measurement:	• °C : $-40 \dots 0\ ^\circ\text{C} \pm 3$ @ $1\ ^\circ\text{C}$, $0 \dots 100\ ^\circ\text{C} \pm (1.0\% + 3)$ @ $1\ ^\circ\text{C}$, $100 \dots 1000\ ^\circ\text{C} \pm (2.0\% + 3)$ @ $1\ ^\circ\text{C}$, • °F : $-40 \dots 32\ ^\circ\text{F} \pm 5$ @ $1\ ^\circ\text{F}$, $32 \dots 212\ ^\circ\text{F} \pm (1.5\% + 5)$ @ $1\ ^\circ\text{F}$, $212 \dots 1832\ ^\circ\text{F} \pm (2.5\% + 5)$ @ $1\ ^\circ\text{F}$
hFE:	—
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
Main features:	• 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



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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