

Code: UT-50C

UNIVERSAL METER **UT-50C** UNI-T

The UT-50C is a universal digital meter used to measure: voltage, current, resistance, capacitance, frequency, and checking the correctness of diodes operation.



DC voltage measurement:	$200 \text{ mV} \pm (0.5\% + 1) @ 0.1 \text{ mV}$, $2 \text{ V} \pm (0.5\% + 1) @ 0.001 \text{ V}$, $20 \text{ V} \pm (0.5\% + 1) @ 0.01 \text{ V}$, $200 \text{ V} \pm (0.5\% + 1) @ 0.1 \text{ V}$, $1000 \text{ V} \pm (0.8\% + 2) @ 1 \text{ V}$
AC voltage measurement:	$2 \text{ V} \pm (0.8\% + 3) @ 0.001 \text{ V}$, $20 \text{ V} \pm (0.8\% + 3) @ 0.01 \text{ V}$, $200 \text{ V} \pm (0.8\% + 3) @ 0.1 \text{ V}$, $750 \text{ V} \pm (1.2\% + 3) @ 1 \text{ V}$
DC current measurement:	$20 \text{ mA} \pm (0.8\% + 1) @ 0.01 \text{ mA}$, $200 \text{ mA} \pm (1.5\% + 1) @ 0.1 \text{ mA}$, $20 \text{ A} \pm (2\% + 5) @ 0.01 \text{ A}$
AC current measurement:	$20 \text{ mA} \pm (1\% + 3) @ 0.01 \text{ mA}$, $200 \text{ mA} \pm (1.8\% + 3) @ 0.1 \text{ mA}$, $20 \text{ A} \pm (3\% + 5) @ 0.01 \text{ A}$
Resistance measurement:	$200 \Omega \pm (0.8\% + 3) @ 0.1 \Omega$, $2 \text{ k}\Omega \pm (0.8\% + 1) @ 0.001 \text{ k}\Omega$, $20 \text{ k}\Omega \pm (0.8\% + 1) @ 0.01 \text{ k}\Omega$, $200 \text{ k}\Omega \pm (0.8\% + 1) @ 0.1 \text{ k}\Omega$, $2 \text{ M}\Omega \pm (0.8\% + 1) @ 0.001 \text{ M}\Omega$, $200 \text{ M}\Omega \pm (5\%(\text{RD}-10) + 10) @ 0.1 \text{ M}\Omega$ * *RD - reading value

Capacitance measurement:	20 nF $\pm$ (4% + 3) @ 0.01 nF , 200 nF $\pm$ (4% + 3) @ 0.1 nF , 2 μ F $\pm$ (4% + 3) @ 0.001 μ F , 100 μ F $\pm$ (5% + 4) @ 0.1 μ F
Inductance measurement:	—
Frequency measurement:	2 kHz $\pm$ (2% + 5) @ 1 Hz , 20 kHz $\pm$ (1.5% + 5) @ 10 Hz
Temperature measurement:	• °C -40 ... 0 °C $\pm$ (3% + 3) @ 1 °C 0 ... 400 °C $\pm$ (1% + 3) @ 1 °C 400 ... 1000 °C $\pm$ (2.5%) @ 1 °C, • °F -40 ... 32 °F $\pm$ (3% + 4) @ 1 °F 32 ... 752 °F $\pm$ (1% + 4) @ 1 °F 752 ... 1832 °F $\pm$ (1.5% + 15) @ 1 °F
Automatic change of measuring ranges:	—
hFE:	—
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
Main features:	• Large, readable LCD display with backlight • Freezing the last reading • Low battery level alarm • Aesthetic and solid construction • The set includes short test leads with crocodile clips
Power supply:	9V, type 6F22 battery - included
Weight:	0.28 kg
Dimensions:	167 x 83 x 42 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years