

Code: UT-890C

UNIVERSAL METER **UT-890C** UNI-T



The UT-890C is a universal digital meter used to measure: voltage, current, resistance, capacity, frequency, hFE, temperature and checking the correct operation of diodes. Additionally, the UT-890C has an electric field detection (NCV) function.

The meter is equipped with the True RMS transducer enabling accurate measurement of the RMS current and voltage for both sinusoidal and distorted waveforms.

DC voltage measurement:	600 mV \pm (0.5% + 5) @ 0.1 mV , 6 V \pm (0.5% + 5) @ 0.001 V , 60 V \pm (0.5% + 5) @ 0.01 V , 600 V \pm (0.5% + 5) @ 0.1 V , 1000 V \pm (0.7% + 5) @ 1 V
AC voltage measurement:	6 V \pm (1% + 3) @ 1 mV , 60 V \pm (0.8% + 3) @ 10 mV , 600 V \pm (0.8% + 3) @ 0.1 V , 750 V \pm (1% + 10) @ 1 V
DC current measurement:	60 μ A \pm (0.8% + 8) @ 0.01 μ A , 600 μ A \pm (0.8% + 8) @ 0.1 μ A , 6 mA \pm (0.8% + 8) @ 0.001 mA , 60 mA \pm (0.8% + 8) @ 0.01 mA , 600 mA \pm (1.2% + 5) @ 0.1 mA , 20 A \pm (2% + 5) @ 0.01 A
AC current measurement:	60 μ A \pm (1% + 12) @ 0.01 μ A , 600 μ A \pm (1% + 12) @ 0.1 μ A , 6 mA \pm (1% + 12) @ 0.001 mA , 60 mA \pm (1% + 12) @ 0.01 mA , 600 mA \pm (2% + 3) @ 0.1 mA , 20 A \pm (2% + 3) @ 0.01 A

Resistance measurement:	$600 \Omega \pm (0.8\% + 5) @ 0.1 \Omega$, $6 \text{ k}\Omega \pm (0.8\% + 3) @ 1 \Omega$, $60 \text{ k}\Omega \pm (0.8\% + 3) @ 10 \Omega$, $600 \text{ k}\Omega \pm (0.8\% + 3) @ 100 \Omega$, $6 \text{ M}\Omega \pm (0.8\% + 3) @ 1 \text{ k}\Omega$, $60 \text{ M}\Omega \pm (3\% + 10) @ 10 \text{ k}\Omega$
Capacitance measurement:	$6 \text{ nF} \pm (4\% + 10) @ 0.001 \text{ nF}$, $60 \text{ nF} \pm (4\% + 10) @ 0.01 \text{ nF}$, $600 \text{ nF} \pm (4\% + 10) @ 0.1 \text{ nF}$, $6 \mu\text{F} \pm (3\% + 10) @ 0.001 \mu\text{F}$, $60 \mu\text{F} \pm (3\% + 10) @ 0.01 \mu\text{F}$, $600 \mu\text{F} \pm (3\% + 10) @ 0.1 \mu\text{F}$, $6 \text{ mF} \pm (5\% + 10) @ 0.001 \text{ mF}$, $60 \text{ mF} \pm 10\% @ 0.01 \text{ mF}$, $100 \text{ mF} \pm 10\% @ 0.1 \text{ mF}$
Inductance measurement:	—
Frequency measurement:	9.999 Hz ... 9.999 MHz $\pm (0.1\% + 5) @ 0.001 \text{ Hz} \dots 0.001 \text{ MHz}$
Temperature measurement:	<ul style="list-style-type: none"> • °C -40 ... 40 °C $\pm 3 \text{ }^\circ\text{C} @ 1 \text{ }^\circ\text{C}$ >40 ... 500 °C $\pm (1\% + 3) @ 1 \text{ }^\circ\text{C}$ >500 ... 1000 °C $\pm (2\% + 3) @ 1 \text{ }^\circ\text{C}$, • °F -40 ... 104 °F $\pm 5 \text{ }^\circ\text{F} @ 1 \text{ }^\circ\text{F}$ >104 ... 932 °F $\pm (1.5\% + 5) @ 1 \text{ }^\circ\text{F}$ >932 ... 1832 °F $\pm (2.5\% + 5) @ 1 \text{ }^\circ\text{F}$
Automatic change of measuring ranges:	—
hFE:	✓
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
USB:	—
Main features:	<ul style="list-style-type: none"> • True RMS - accurate measurement of the RMS current and voltage for any waveform, • NCV - electric field detection function, • Freezing the last reading, • Freezing the highest or lowest measurement, • Automatic shutdown after 15 minutes of inactivity, • Large, readable LCD display with backlight, • Low battery level alarm, • Aesthetic and solid construction
Power supply:	2 x 1.5V, type AAA/LR03 battery
Weight:	0.34 kg
Dimensions:	183 x 88 x 56 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years