

Code: UT-890D+

## UNIVERSAL METER **UT-890D+** UNI-T

The UT-890D+ 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-890D+ 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:	$600\text{ mV} \pm (0.5\% + 5) @ 0.1\text{ mV}$ , $6\text{ V} \pm (0.5\% + 2) @ 0.001\text{ V}$ , $60\text{ V} \pm (0.5\% + 2) @ 0.01\text{ V}$ , $600\text{ V} \pm (0.5\% + 2) @ 0.1\text{ V}$ , $1000\text{ V} \pm (0.7\% + 5) @ 1\text{ V}$
AC voltage measurement:	$6\text{ V} \pm (1.0\% + 3) @ 0.001\text{ V}$ , $60\text{ V} \pm (0.8\% + 3) @ 0.01\text{ V}$ , $600\text{ V} \pm (0.8\% + 3) @ 0.1\text{ V}$ , $750\text{ V} \pm (1.0\% + 10) @ 1\text{ V}$
DC current measurement:	$60\text{ }\mu\text{A} \pm (0.8\% + 8) @ 0.01\text{ }\mu\text{A}$ , $600\text{ }\mu\text{A} \pm (0.8\% + 8) @ 0.1\text{ }\mu\text{A}$ , $6\text{ mA} \pm (0.8\% + 8) @ 0.001\text{ mA}$ , $60\text{ mA} \pm (0.8\% + 8) @ 0.01\text{ mA}$ , $600\text{ mA} \pm (1.2\% + 5) @ 0.1\text{ mA}$ , $20\text{ A} \pm (2.0\% + 5) @ 0.01\text{ A}$
AC current measurement:	$60\text{ }\mu\text{A} \pm (1\% + 12) @ 0.01\text{ }\mu\text{A}$ , $600\text{ }\mu\text{A} \pm (1\% + 12) @ 0.1\text{ }\mu\text{A}$ , $6\text{ mA} \pm (1\% + 12) @ 0.001\text{ mA}$ , $60\text{ mA} \pm (1\% + 12) @ 0.01\text{ mA}$ , $600\text{ mA} \pm (2\% + 3) @ 0.1\text{ mA}$ , $20\text{ A} \pm (3\% + 5) @ 0.01\text{ A}$

Resistance measurement:	$600\ \Omega \pm (0.8\% + 5)\ @\ 0.1\ \Omega$ , $6\ k\Omega \pm (0.8\% + 3)\ @\ 0.001\ k\Omega$ , $60\ k\Omega \pm (0.8\% + 3)\ @\ 0.01\ k\Omega$ , $600\ k\Omega \pm (0.8\% + 3)\ @\ 0.1\ k\Omega$ , $6\ M\Omega \pm (0.8\% + 3)\ @\ 0.001\ M\Omega$ , $60\ M\Omega \pm (3\% + 10)\ @\ 0.01\ M\Omega$
Capacitance measurement:	$6\ nF \pm (4\% + 10)\ @\ 0.001\ nF$ , $60\ nF \pm (4\% + 10)\ @\ 0.01\ nF$ , $600\ nF \pm (4\% + 10)\ @\ 0.1\ nF$ , $6\ \mu F \pm (3\% + 10)\ @\ 0.001\ \mu F$ , $60\ \mu F \pm (3\% + 10)\ @\ 0.01\ \mu F$ , $600\ \mu F \pm (3\% + 10)\ @\ 0.1\ \mu F$ , $6\ mF \pm (5\% + 10)\ @\ 0.001\ mF$ , $60\ mF \pm 10\ \% \ @\ 0.01\ mF$ , $100\ mF \pm 10\ \% \ @\ 0.1\ mF$
Inductance measurement:	—
Frequency measurement:	9.999 Hz ... 9.999 MHz $\pm (0.1\% + 5)\ @\ 0.001\ Hz \dots 0.001\ MHz$
Temperature measurement:	—
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"> <li>• True RMS - accurate measurement of the RMS current and voltage for any waveform,</li> <li>• NCV - electric field detection function,</li> <li>• LIVE - voltage tester function, it is used to quickly determine whether a cable or socket is live using only one test probe,</li> <li>• Freezing the last reading,</li> <li>• Freezing the highest or lowest measurement,</li> <li>• Automatic shutdown after 15 minutes of inactivity,</li> <li>• Large, readable LCD display with backlight,</li> <li>• Low battery level alarm,</li> <li>• Aesthetic and solid construction</li> </ul>
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