

Code: UT-801

## LABORATORY METER **UT-801** UNI-T

The UT-801 is a digital laboratory meter used to measure: voltage, current, resistance, capacity, frequency, temperature and to check the correct operation of diodes.



DC voltage measurement:	<ul style="list-style-type: none"> <li>• 200 mV <math>\pm</math> (0.5% + 2) @ 0.1 mV,</li> <li>• 2 V <math>\pm</math> (0.5% + 2) @ 1 mV,</li> <li>• 20 V <math>\pm</math> (0.5% + 2) @ 10 mV,</li> <li>• 200 V <math>\pm</math> (0.5% + 2) @ 100 mV,</li> <li>• 1000 V <math>\pm</math> (0.8% + 3) @ 1 V</li> </ul>
AC voltage measurement:	<ul style="list-style-type: none"> <li>• 2 V <math>\pm</math> (0.8% + 3) @ 1 mV,</li> <li>• 20 V <math>\pm</math> (1.0% + 4) @ 10 mV,</li> <li>• 200 V <math>\pm</math> (1.0% + 4) @ 100 mV,</li> <li>• 1000 V <math>\pm</math> (1.0% + 4) @ 1 V</li> </ul>
DC current measurement:	<ul style="list-style-type: none"> <li>• 200 <math>\mu</math>A <math>\pm</math> (0.8% + 2) @ 0.1 <math>\mu</math>A,</li> <li>• 2 mA <math>\pm</math> (0.8% + 2) @ 0.001 mA,</li> <li>• 20 mA <math>\pm</math> (0.8% + 2) @ 0.01 mA,</li> <li>• 200 mA <math>\pm</math> (0.8% + 2) @ 0.1 mA,</li> <li>• 10 A <math>\pm</math> (2.0% + 4) @ 0.01 A</li> </ul>
AC current measurement:	<ul style="list-style-type: none"> <li>• 2 mA <math>\pm</math> (1.0% + 3) @ 0.001 mA,</li> <li>• 20 mA <math>\pm</math> (1.0% + 3) @ 0.01 mA,</li> <li>• 200 mA <math>\pm</math> (1.0% + 3) @ 0.1 mA,</li> <li>• 10 A <math>\pm</math> (2.5% + 5) @ 0.01 A</li> </ul>
Resistance measurement:	<ul style="list-style-type: none"> <li>• 200 <math>\Omega</math> <math>\pm</math> (0.8% + 3) @ 0.1 <math>\Omega</math>,</li> <li>• 2 k<math>\Omega</math> <math>\pm</math> (0.8% + 3) @ 1 <math>\Omega</math>,</li> <li>• 20 k<math>\Omega</math> <math>\pm</math> (0.8% + 3) @ 10 <math>\Omega</math>,</li> <li>• 200 k<math>\Omega</math> <math>\pm</math> (0.8% + 3) @ 100 <math>\Omega</math>,</li> <li>• 2 M<math>\Omega</math> <math>\pm</math> (0.8% + 3) @ 1 k<math>\Omega</math>,</li> <li>• 20 M<math>\Omega</math> <math>\pm</math> (1.2% + 5) @ 10 k<math>\Omega</math></li> </ul>
Capacitance measurement:	<ul style="list-style-type: none"> <li>• 20 nF <math>\pm</math> (4% + 3) @ 0.01 nF,</li> <li>• 2 <math>\mu</math>F <math>\pm</math> (4% + 3) @ 0.001 <math>\mu</math>F,</li> <li>• 200 <math>\mu</math>F <math>\pm</math> (5% + 5) @ 0.1 <math>\mu</math>F</li> </ul>
Inductance measurement:	—
Frequency measurement:	<ul style="list-style-type: none"> <li>• 2 kHz <math>\pm</math> (1.5% + 5) @ 1 Hz,</li> <li>• 200 MHz <math>\pm</math> (1.5% + 5) @ 100 Hz</li> </ul>

Temperature measurement:	<ul style="list-style-type: none"> <li>• -40 °C ... -20 °C ± (8% + 5) @ 1 °C,</li> <li>• -20 °C ... 0 °C ± (1.2% + 4) @ 1 °C,</li> <li>• 0 ... 100 °C ± (1.2% + 3) @ 1 °C,</li> <li>• 100 ... 1000 °C ± (2.5% + 2) @ 1 °C</li> </ul>
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>• Large, readable LCD display with backlight</li> <li>• Hold - stopping the meter reading</li> <li>• Aesthetic and solid construction</li> </ul>
Power supply:	<ul style="list-style-type: none"> <li>• 6 x 1.5V, type R14/LR14 battery (not included),</li> <li>• 9 V DC / 200 mA (power adapter included)</li> </ul>
Weight:	1.61 kg
Dimensions:	306 x 243 x 107 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years