

Code: UT-8802E

## LABORATORY METER **UT-8802E** UNI-T

The UT-8802E is a digital laboratory meter used to measure: voltage, current, resistance, capacity, frequency, and to check the correct operation of diodes.



DC voltage measurement:	<ul style="list-style-type: none"> <li>• 200 mV <math>\pm</math> (0.1% + 5) @ 0.01 mV,</li> <li>• 2 V <math>\pm</math> (0.1% + 3) @ 0.1 mV,</li> <li>• 20 V <math>\pm</math> (0.1% + 3) @ 0.001 V,</li> <li>• 200 V <math>\pm</math> (0.1% + 3) @ 0.01 V,</li> <li>• 1000 V <math>\pm</math> (0.2% + 5) @ 0.1 V</li> </ul>
AC voltage measurement:	<ul style="list-style-type: none"> <li>• 2 V @ 100 <math>\mu</math>V <math>\pm</math> (0.5% + 20) @ 40 Hz ... 1 kHz</li> <li>• 20 V @ 1 mV <math>\pm</math> (0.5% + 20) @ 40 Hz ... 1 kHz</li> <li>• 200 V @ 10 mV <math>\pm</math> (0.5% + 20) @ 40 Hz ... 1 kHz</li> <li>• 750 V @ 0.1 V <math>\pm</math> (0.8% + 40) @ 40 Hz ... 1 kHz</li> </ul>
DC current measurement:	<ul style="list-style-type: none"> <li>• 200 <math>\mu</math>A <math>\pm</math> (0.5% + 20) @ 10 nA,</li> <li>• 2 mA <math>\pm</math> (0.5% + 20) @ 100 nA,</li> <li>• 20 mA <math>\pm</math> (0.5% + 20) @ 1 <math>\mu</math>A,</li> <li>• 200 mA <math>\pm</math> (0.5% + 20) @ 10 <math>\mu</math>A,</li> <li>• 20 A <math>\pm</math> (1.5% + 40) @ 1 mA</li> </ul>
AC current measurement:	<ul style="list-style-type: none"> <li>• 2 mA @ 0.1 <math>\mu</math>A <math>\pm</math> (0.8% + 40) @ 45 Hz ... 400 Hz</li> <li>• 20 mA @ 1 <math>\mu</math>A <math>\pm</math> (0.8% + 40) @ 45 Hz ... 400 Hz</li> <li>• 200 mA @ 10 <math>\mu</math>A <math>\pm</math> (0.8% + 40) @ 45 Hz ... 400 Hz</li> <li>• 20 A @ 1 mA <math>\pm</math> (2% + 40) @ 45 Hz ... 400 Hz</li> </ul>
Resistance measurement:	<ul style="list-style-type: none"> <li>• 200 <math>\Omega</math> <math>\pm</math> (0.5% + 10) + test leads resistance @ 0.01 <math>\Omega</math>,</li> <li>• 2 k<math>\Omega</math> <math>\pm</math> (0.5% + 10) @ 0.1 <math>\Omega</math>,</li> <li>• 20 k<math>\Omega</math> <math>\pm</math> (0.5% + 10) @ 1 <math>\Omega</math>,</li> <li>• 200 k<math>\Omega</math> <math>\pm</math> (0.5% + 10) @ 10 <math>\Omega</math>,</li> <li>• 2 M<math>\Omega</math> <math>\pm</math> (0.5% + 10) @ 100 <math>\Omega</math>,</li> <li>• 200 M<math>\Omega</math> @ 1 k<math>\Omega</math></li> </ul>



# DATA SHEET

Capacitance measurement:	<ul style="list-style-type: none"><li>• 20 nF <math>\pm</math> (2.5% + 10) @ 1 pF,</li><li>• 200 nF <math>\pm</math> (1.5% + 10) @ 10 pF,</li><li>• 2 <math>\mu</math>F <math>\pm</math> (1.5% + 10) @ 100 pF,</li><li>• 20 <math>\mu</math>F <math>\pm</math> (1.5% + 10) @ 1 nF,</li><li>• 200 <math>\mu</math>F <math>\pm</math> (1.5% + 10) @ 10 nF,</li><li>• 2 mF <math>\pm</math> (1.5% + 10) @ 100 nF,</li><li>• 20 mF <math>\pm</math> (10% + 10) @ 1 <math>\mu</math>F,</li><li>• 100 mF @ 10 <math>\mu</math>F</li></ul>
Inductance measurement:	—
Frequency measurement:	<ul style="list-style-type: none"><li>• 200 Hz <math>\pm</math> (1% + 5) @ 0.01 Hz,</li><li>• 2 kHz <math>\pm</math> (1% + 5) @ 0.1 Hz,</li><li>• 20 kHz <math>\pm</math> (1% + 5) @ 1 Hz,</li><li>• 200 kHz <math>\pm</math> (1% + 5) @ 10 Hz,</li><li>• 2 MHz <math>\pm</math> (1% + 5) @ 100 Hz,</li><li>• 10 MHz <math>\pm</math> (1% + 5) @ 1 kHz,</li><li>• 5 % ... 99 % <math>\pm</math> (1.5% + 2) @ 10 Hz ... 10 kHz</li></ul>
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>• Very high accuracy of measurements</li><li>• EBTN display</li><li>• REL - relative measurement mode</li><li>• Writing the value MAX / MIN</li><li>• Hold - stopping the meter reading</li><li>• Port USB</li><li>• Aesthetic and solid construction</li></ul>
Power supply:	110 V AC / 120 V AC / 220 V AC / 240 V AC - selectable by switch
Weight:	3.43 kg
Dimensions:	320 x 265 x 110 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years