

Code: UT-803

LABORATORY METER **UT-803** UNI-T

The UT-803 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:	• 600 mV $\pm (0.6\% + 2)$ @ 0.1 mV, • 6 V $\pm (0.3\% + 2)$ @ 0.001 V, • 60 V $\pm (0.3\% + 2)$ @ 0.01 V, • 600 V $\pm (0.3\% + 2)$ @ 0.1 V, • 1000 V $\pm (0.5\% + 3)$ @ 1 V
AC voltage measurement:	• 600 mV @ 0.1 mV : $\pm (0.6\% + 5)$ @ 40 Hz ... 50 kHz $\pm (1.0\% + 5)$ @ 50 kHz ... 100 kHz • 6 V @ 0.001 V : $\pm (0.6\% + 5)$ @ 40 Hz ... 1 kHz $\pm (1.0\% + 5)$ @ 1 kHz ... 10 kHz $\pm (3.0\% + 5)$ @ 10 kHz ... 100 kHz • 60 V @ 0.01 V : $\pm (0.6\% + 5)$ @ 40 Hz ... 1 kHz $\pm (1.5\% + 5)$ @ 1 kHz ... 10 kHz $\pm (3.0\% + 5)$ @ 10 kHz ... 20 kHz $\pm (8.0\% + 5)$ @ 20 kHz ... 100 kHz • 600 V @ 0.1 V : $\pm (0.6\% + 5)$ @ 40 Hz ... 1 kHz $\pm (3.5\% + 5)$ @ 1 kHz ... 10 kHz • 1000 V @ 1 V : $\pm (1.2\% + 3)$ @ 40 Hz ... 1 kHz $\pm (3.0\% + 3)$ @ 1 kHz ... 3 kHz
DC current measurement:	• 600 μA $\pm (0.5\% + 3)$ @ 0.1 μA, • 6000 μA $\pm (0.5\% + 3)$ @ 1 μA, • 60 mA $\pm (0.5\% + 3)$ @ 0.01 mA, • 600 mA $\pm (0.8\% + 3)$ @ 0.1 mA, • 10 A $\pm (1.2\% + 3)$ @ 0.01 A

AC current measurement:	• 600 μA @ 0.1 μA : $\pm (1.0\% + 5)$ @ 40 Hz ... 10 kHz $\pm (2.0\% + 5)$ @ 10 kHz ... 15 kHz • 6000 μA @ 1 μA : $\pm (1.0\% + 5)$ @ 40 Hz ... 10 kHz $\pm (2.0\% + 5)$ @ 10 kHz ... 15 kHz • 60 mA @ 0.01 mA : $\pm (1.0\% + 5)$ @ 40 Hz ... 10 kHz $\pm (2.0\% + 5)$ @ 10 kHz ... 15 kHz • 600 mA @ 0.1 mA : $\pm (1.0\% + 5)$ @ 40 Hz ... 10 kHz $\pm (3.0\% + 5)$ @ 1 kHz ... 10 kHz • 10 A @ 0.01 A : $\pm (2.0\% + 6)$ @ 40 Hz ... 5 kHz
Resistance measurement:	• 600 $\Omega \pm (0.8\% + 3)$ + test leads resistance @ 0.1 Ω, • 6 k$\Omega \pm (0.5\% + 2)$ @ 0.001 kΩ, • 60 k$\Omega \pm (0.5\% + 2)$ @ 0.01 kΩ, • 600 k$\Omega \pm (0.5\% + 2)$ @ 0.1 kΩ, • 6 M$\Omega \pm (0.8\% + 2)$ @ 0.001 MΩ, • 60 M$\Omega \pm (1.2\% + 3)$ @ 0.01 MΩ
Capacitance measurement:	• 6 nF $\pm (2.5\% + 5)$ @ 0.001 nF, • 60 nF $\pm (2.5\% + 5)$ @ 0.01 nF, • 600 nF $\pm (2.0\% + 5)$ @ 0.1 nF, • 6 μF $\pm (2.0\% + 5)$ @ 0.001 μF, • 60 μF $\pm (2.0\% + 5)$ @ 0.01 μF, • 600 μF $\pm (3.0\% + 4)$ @ 0.1 μF, • 6 mF $\pm (5.0\% + 4)$ @ 0.001 mF
Inductance measurement:	—
Frequency measurement:	• 6 kHz $\pm (0.1\% + 3)$ @ 0.001 kHz, • 60 kHz $\pm (0.1\% + 3)$ @ 0.01 kHz, • 600 kHz $\pm (0.1\% + 3)$ @ 0.1 kHz, • 6 MHz $\pm (0.1\% + 3)$ @ 0.001 MHz, • 60 MHz $\pm (0.1\% + 3)$ @ 0.01 MHz ,
Temperature measurement:	• $^{\circ}$C : -40 $^{\circ}$C ... 0 $^{\circ}$C $\pm (8.0\% + 5)$ @ 1 $^{\circ}$C , 0 $^{\circ}$C ... 400 $^{\circ}$C $\pm (1.0\% + 3)$ @ 1 $^{\circ}$C , 400 $^{\circ}$C ... 1000 $^{\circ}$C $\pm (1.5\% + 3)$ @ 1 $^{\circ}$C , • $^{\circ}$F : -40 $^{\circ}$F ... 32 $^{\circ}$F $\pm (8.0\% + 5)$ @ 1 $^{\circ}$F , 32 $^{\circ}$F ... 752 $^{\circ}$F $\pm (1.5\% + 5)$ @ 1 $^{\circ}$F , 752 $^{\circ}$F ... 1832 $^{\circ}$F $\pm (2.5\% + 5)$ @ 1 $^{\circ}$C
Automatic change of measuring ranges:	—
hFE:	✓
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
USB:	—

Main features:	• Large, readable LCD display with backlight • Possibility to measure alternating voltage taking into account the constant component (measurement function AC+DC) • Hold - stopping the meter reading • Aesthetic and solid construction
Power supply:	• 6 x 1.5V, type R14/LR14 battery (not included), • 220 V AC
Weight:	1.88 kg
Dimensions:	306 x 243 x 107 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years