DATA SHEET

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

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

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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

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