

	LABORATORY METER UT-801 UNI-T	LABORATORY METER UT-803 UNI-T	LABORATORY METER UT-8802E UNI-T
			
	105.08 EUR 105.08 EUR	190.56 EUR 190.56 EUR	187.63 EUR 187.63 EUR
DC voltage measurement	• 200 mV $\pm (0.5\% + 2)$ @ 0.1 mV, • 2 V $\pm (0.5\% + 2)$ @ 1 mV, • 20 V $\pm (0.5\% + 2)$ @ 10 mV, • 200 V $\pm (0.5\% + 2)$ @ 100 mV, • 1000 V $\pm (0.8\% + 3)$ @ 1 V	• 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	• 200 mV $\pm (0.1\% + 5)$ @ 0.01 mV, • 2 V $\pm (0.1\% + 3)$ @ 0.1 mV, • 20 V $\pm (0.1\% + 3)$ @ 0.001 V, • 200 V $\pm (0.1\% + 3)$ @ 0.01 V, • 1000 V $\pm (0.2\% + 5)$ @ 0.1 V
AC voltage measurement	• 2 V $\pm (0.8\% + 3)$ @ 1 mV, • 20 V $\pm (1.0\% + 4)$ @ 10 mV, • 200 V $\pm (1.0\% + 4)$ @ 100 mV, • 1000 V $\pm (1.0\% + 4)$ @ 1 V	• 600 mV @ 0.1 mV : $\pm (0.6\% + 5)$ @ 40 Hz ... 50 kHz • 6 V @ 0.001 V : $\pm (0.6\% + 5)$ @ 40 Hz ... 1 kHz • 60 V @ 0.01 V : $\pm (0.6\% + 5)$ @ 40 Hz ... 1 kHz • 600 V @ 0.1 V : $\pm (0.6\% + 5)$ @ 40 Hz ... 1 kHz • 1000 V @ 1 V : $\pm (1.2\% + 3)$ @ 40 Hz ... 1 kHz	• 2 V @ 100 μV $\pm (0.5\% + 20)$ @ 40 Hz ... 1 kHz • 20 V @ 1 mV $\pm (0.5\% + 20)$ @ 40 Hz ... 1 kHz • 200 V @ 10 mV $\pm (0.5\% + 20)$ @ 40 Hz ... 1 kHz • 750 V @ 0.1 V $\pm (0.8\% + 40)$ @ 40 Hz ... 1 kHz

DC current measurement	• 200 $\mu\text{A} \pm (0.8\% + 2)$ @ 0.1 μA, • 2 mA $\pm (0.8\% + 2)$ @ 0.001 mA, • 20 mA $\pm (0.8\% + 2)$ @ 0.01 mA, • 200 mA $\pm (0.8\% + 2)$ @ 0.1 mA, • 10 A $\pm (2.0\% + 4)$ @ 0.01 A	• 600 $\mu\text{A} \pm (0.5\% + 3)$ @ 0.1 μA, • 6000 $\mu\text{A} \pm (0.5\% + 3)$ @ 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	• 200 $\mu\text{A} \pm (0.5\% + 20)$ @ 10 nA, • 2 mA $\pm (0.5\% + 20)$ @ 100 nA, • 20 mA $\pm (0.5\% + 20)$ @ 1 μA, • 200 mA $\pm (0.5\% + 20)$ @ 10 μA, • 20 A $\pm (1.5\% + 40)$ @ 1 mA
AC current measurement	• 2 mA $\pm (1.0\% + 3)$ @ 0.001 mA, • 20 mA $\pm (1.0\% + 3)$ @ 0.01 mA, • 200 mA $\pm (1.0\% + 3)$ @ 0.1 mA, • 10 A $\pm (2.5\% + 5)$ @ 0.01 A	• 600 μA @ 0.1 μA : $\pm (1.0\% + 5)$ @ 40 Hz ... 10 kHz • 6000 μA @ 1 μA : $\pm (1.0\% + 5)$ @ 40 Hz ... 10 kHz • 60 mA @ 0.01 mA : $\pm (1.0\% + 5)$ @ 40 Hz ... 10 kHz • 600 mA @ 0.1 mA : $\pm (1.0\% + 5)$ @ 40 Hz ... 10 kHz • 10 A @ 0.01 A : $\pm (2.0\% + 6)$ @ 40 Hz ... 5 kHz	• 2 mA @ 0.1 $\mu\text{A} \pm (0.8\% + 40)$ @ 45 Hz ... 400 Hz • 20 mA @ 1 $\mu\text{A} \pm (0.8\% + 40)$ @ 45 Hz ... 400 Hz • 200 mA @ 10 $\mu\text{A} \pm (0.8\% + 40)$ @ 45 Hz ... 400 Hz • 20 A @ 1 mA $\pm (2\% + 40)$ @ 45 Hz ... 400 Hz
Resistance measurement	• 200 $\Omega \pm (0.8\% + 3)$ @ 0.1 Ω, • 2 k$\Omega \pm (0.8\% + 3)$ @ 1 Ω, • 20 k$\Omega \pm (0.8\% + 3)$ @ 10 Ω, • 200 k$\Omega \pm (0.8\% + 3)$ @ 100 Ω, • 2 M$\Omega \pm (0.8\% + 3)$ @ 1 kΩ, • 20 M$\Omega \pm (1.2\% + 5)$ @ 10 kΩ	• 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	• 200 $\Omega \pm (0.5\% + 10)$ + test leads resistance @ 0.01 Ω, • 2 k$\Omega \pm (0.5\% + 10)$ @ 0.1 Ω, • 20 k$\Omega \pm (0.5\% + 10)$ @ 1 Ω, • 200 k$\Omega \pm (0.5\% + 10)$ @ 10 Ω, • 2 M$\Omega \pm (0.5\% + 10)$ @ 100 Ω, • 200 MΩ @ 1 kΩ

Capacitance measurement	• 20 nF ± (4% + 3) @ 0.01 nF, • 2 μF ± (4% + 3) @ 0.001 μF, • 200 μF ± (5% + 5) @ 0.1 μF	• 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	• 20 nF ± (2.5% + 10) @ 1 pF, • 200 nF ± (1.5% + 10) @ 10 pF, • 2 μF ± (1.5% + 10) @ 100 pF, • 20 μF ± (1.5% + 10) @ 1 nF, • 200 μF ± (1.5% + 10) @ 10 nF, • 2 mF ± (1.5% + 10) @ 100 nF, • 20 mF ± (10% + 10) @ 1 μF, • 100 mF @ 10 μF
Inductance measurement	—	—	—
Frequency measurement	• 2 kHz ± (1.5% + 5) @ 1 Hz, • 200 MHz ± (1.5% + 5) @ 100 Hz	• 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,	• 200 Hz ± (1% + 5) @ 0.01 Hz, • 2 kHz ± (1% + 5) @ 0.1 Hz, • 20 kHz ± (1% + 5) @ 1 Hz, • 200 kHz ± (1% + 5) @ 10 Hz, • 2 MHz ± (1% + 5) @ 100 Hz, • 10 MHz ± (1% + 5) @ 1 kHz, • 5 % ... 99 % ± (1.5% + 2) @ 10 Hz ... 10 kHz
Temperature measurement	• -40 °C ... -20 °C ± (8% + 5) @ 1 °C, • -20 °C ... 0 °C ± (1.2% + 4) @ 1 °C, • 0 ... 100 °C ± (1.2% + 3) @ 1 °C, • 100 ... 1000 °C ± (2.5% + 2) @ 1 °C	• °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	—	—	✓
Main features	• Large, readable LCD display with backlight • Hold - stopping the meter reading • Aesthetic and solid construction	• 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	• Very high accuracy of measurements • EBTN display • REL - relative measurement mode • Writing the value MAX / MIN • Hold - stopping the meter reading • Port USB • Aesthetic and solid construction
Power supply	• 6 x 1.5V, type R14/LR14 battery (not included), • 9 V DC / 200 mA (power adapter included)	• 6 x 1.5V, type R14/LR14 battery (not included), • 220 V AC	110 V AC / 120 V AC / 220 V AC / 240 V AC - selectable by switch
Weight	1.61 kg	1.88 kg	3.43 kg
Dimensions	306 x 243 x 107 mm	306 x 243 x 107 mm	320 x 265 x 110 mm
Manufacturer / Brand	UNI-T	UNI-T	UNI-T
Guarantee	2 years	2 years	2 years