

Code: UT-55

## UNIVERSAL METER **UT-55** UNI-T

The UT-55 is a universal digital meter used to measure: voltage, current, resistance, capacitance, hFE, temperature and checking the correct operation of diodes.



DC voltage measurement:	$200 \text{ mV} \pm (0.5\% + 1) @ 0.1 \text{ mV}$ , $2 \text{ V} \pm (0.5\% + 1) @ 0.001 \text{ V}$ , $20 \text{ V} \pm (0.5\% + 1) @ 0.01 \text{ V}$ , $200 \text{ V} \pm (0.5\% + 1) @ 0.1 \text{ V}$ , $1000 \text{ V} \pm (0.8\% + 2) @ 1 \text{ V}$
AC voltage measurement:	$2 \text{ V} \pm (0.8\% + 3) @ 0.001 \text{ V}$ , $20 \text{ V} \pm (0.8\% + 3) @ 0.01 \text{ V}$ , $200 \text{ V} \pm (0.8\% + 3) @ 0.1 \text{ V}$ , $750 \text{ V} \pm (1.2\% + 3) @ 1 \text{ V}$
DC current measurement:	$2 \text{ mA} \pm (0.8\% + 1) @ 0.001 \text{ mA}$ , $20 \text{ mA} \pm (0.8\% + 1) @ 0.01 \text{ mA}$ , $200 \text{ mA} \pm (1.5\% + 1) @ 0.1 \text{ mA}$ , $20 \text{ A} \pm (2.0\% + 5) @ 0.01 \text{ A}$
AC current measurement:	$20 \text{ mA} \pm (1.0\% + 3) @ 0.01 \text{ mA}$ , $200 \text{ mA} \pm (1.8\% + 3) @ 0.1 \text{ mA}$ , $20 \text{ A} \pm (3.0\% + 7) @ 0.01 \text{ A}$



# DATA SHEET

Resistance measurement:	200 $\Omega \pm (0.8\% + 3)$ @ 0.1 $\Omega$ , 2 k $\Omega \pm (0.8\% + 1)$ @ 0.001 k $\Omega$ , 20 k $\Omega \pm (0.8\% + 1)$ @ 0.01 k $\Omega$ , 200 k $\Omega \pm (0.8\% + 1)$ @ 0.1 k $\Omega$ , 2 M $\Omega \pm (0.8\% + 1)$ @ 0.001 M $\Omega$ , 20 M $\Omega \pm (1.0\% + 2)$ @ 0.01 M $\Omega$ , 200 M $\Omega \pm (5\%(RD-10) + 10)$ @ 0.1 M $\Omega$ *  *RD - reading value
Capacitance measurement:	2 nF $\pm (4\% + 3)$ @ 0.001 nF , 20 nF $\pm (4\% + 3)$ @ 0.01 nF , 200 nF $\pm (4\% + 3)$ @ 0.1 nF , 2 $\mu$ F $\pm (4\% + 3)$ @ 0.001 $\mu$ F , 20 $\mu$ F $\pm (4\% + 3)$ @ 0.01 $\mu$ F
Inductance measurement:	—
Frequency measurement:	20 kHz $\pm (1.5\% + 5)$ @ 0.01 kHz
Temperature measurement:	-20 $^{\circ}$ C ... 0 $^{\circ}$ C $\pm (5\% + 3)$ @ 1 $^{\circ}$ C , >0 $^{\circ}$ C ... 400 $^{\circ}$ C $\pm (1\% + 3)$ @ 1 $^{\circ}$ C , >400 $^{\circ}$ C ... 1000 $^{\circ}$ C $\pm 2\%$ @ 1 $^{\circ}$ C
Automatic change of measuring ranges:	—
hFE:	✓
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
Main features:	<ul style="list-style-type: none"><li>• Large, readable LCD display</li><li>• Low battery level alarm</li><li>• Aesthetic and solid construction</li></ul>
Power supply:	9V, type 6F22 battery - included
Weight:	0.51 kg
Dimensions:	203 x 98 x 56 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years