

Code: UT-53

UNIVERSAL METER **UT-53** UNI-T

The UT-53 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:	$200\text{ mV} \pm (1.2\% + 3) @ 0.1\text{ mV}$, $2\text{ V} \pm (0.8\% + 3) @ 0.001\text{ V}$, $20\text{ V} \pm (0.8\% + 3) @ 0.01\text{ V}$, $200\text{ V} \pm (0.8\% + 3) @ 0.1\text{ V}$, $750\text{ V} \pm (1.2\% + 3) @ 1\text{ V}$
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:	$20\text{ mA} \pm (1.0\% + 3) @ 0.01\text{ mA}$, $200\text{ mA} \pm (1.8\% + 3) @ 0.1\text{ mA}$, $20\text{ A} \pm (3.0\% + 7) @ 0.01\text{ A}$

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:	—
Temperature measurement:	$-20\ ^\circ C \dots 0\ ^\circ C \pm (5\% + 3) @ 1\ ^\circ C$, $>0\ ^\circ C \dots 400\ ^\circ C \pm (1\% + 3) @ 1\ ^\circ C$, $>400\ ^\circ C \dots 1000\ ^\circ C \pm 2\% @ 1\ ^\circ C$
Automatic change of measuring ranges:	—
hFE:	✓
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
Main features:	• Large, readable LCD display • Low battery level alarm • Aesthetic and solid construction
Power supply:	9V, type 6F22 battery - included
Weight:	0.5 kg
Dimensions:	203 x 98 x 56 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years