

Code: UT-70B

UNIVERSAL METER **UT-70B** UNI-T

The UT-70B is a universal digital meter used to measure: voltage, current, resistance, capacity, frequency, rotational speed, temperature and diodes.



DC voltage measurement:	$400\text{ mV} \pm (0.8\% + 3) @ 100\text{ }\mu\text{V}$, $4\text{ V} \pm (0.8\% + 1) @ 1\text{ mV}$, $40\text{ V} \pm (0.8\% + 1) @ 10\text{ mV}$, $400\text{ V} \pm (0.8\% + 1) @ 100\text{ mV}$, $1000\text{ V} \pm (1.0\% + 3) @ 1\text{ V}$
AC voltage measurement:	$4\text{ V} \pm (1.0\% + 5) @ 1\text{ mV}$, $40\text{ V} \pm (1.0\% + 5) @ 10\text{ mV}$, $400\text{ V} \pm (1.0\% + 5) @ 100\text{ mV}$, $750\text{ V} \pm (1.2\% + 5) @ 1\text{ V}$
DC current measurement:	$400\text{ }\mu\text{A} \pm (1.0\% + 2) @ 100\text{ nA}$, $4000\text{ }\mu\text{A} \pm (1.0\% + 2) @ 1\text{ }\mu\text{A}$, $40\text{ mA} \pm (1.2\% + 3) @ 10\text{ }\mu\text{A}$, $400\text{ mA} \pm (1.2\% + 3) @ 100\text{ }\mu\text{A}$, $10\text{ A} \pm (1.5\% + 5) @ 10\text{ mA}$
AC current measurement:	$400\text{ }\mu\text{A} \pm (1.0\% + 2) @ 100\text{ nA}$, $4000\text{ }\mu\text{A} \pm (1.0\% + 3) @ 1\text{ }\mu\text{A}$, $40\text{ mA} \pm (1.0\% + 3) @ 10\text{ }\mu\text{A}$, $400\text{ mA} \pm (1.8\% + 3) @ 100\text{ }\mu\text{A}$, $10\text{ A} \pm (3.0\% + 7) @ 10\text{ mA}$

Resistance measurement:	$400\ \Omega \pm (1.2\% + 2)\ @\ 0.1\ \Omega$, $4\ k\Omega \pm (1.0\% + 2)\ @\ 1\ \Omega$, $40\ k\Omega \pm (1.0\% + 2)\ @\ 10\ \Omega$, $400\ k\Omega \pm (1.0\% + 2)\ @\ 100\ \Omega$, $4\ M\Omega \pm (1.2\% + 2)\ @\ 1\ k\Omega$, $40\ M\Omega \pm (1.5\% + 2)\ @\ 10\ k\Omega$
Capacitance measurement:	$4\ nF \pm (4.0\% + 10)\ @\ 10\ pF$, $40\ nF \pm (4.0\% + 3)\ @\ 100\ pF$, $400\ nF \pm (4.0\% + 3)\ @\ 100\ pF$, $4\ \mu F \pm (4.0\% + 3)\ @\ 1\ nF$, $40\ \mu F \pm (4.0\% + 3)\ @\ 10\ nF$, $400\ \mu F \pm (4.0\% + 3)\ @\ 100\ nF$, $4\ mF \pm (5.0\% + 10)\ @\ 1\ \mu F$, $40\ mF @\ 10\ \mu F$ - due to the low accuracy of measurement in this range, the reading has only an informative function
Inductance measurement:	—
Frequency measurement:	4 kHz ... 400 MHz $\pm (0.1\% + 3)$ (automatic range change)
Temperature measurement:	• °C $-40 \dots 0\ ^\circ C \pm (3\% + 4)\ @\ 1\ ^\circ C$ $0 \dots 400\ ^\circ C \pm (1\% + 3)\ @\ 1\ ^\circ C$ $400 \dots 1000\ ^\circ C \pm (2\% + 10)\ @\ 1\ ^\circ C$, • °F $-40 \dots 32\ ^\circ F \pm (3\% + 4)\ @\ 1\ ^\circ F$ $32 \dots 752\ ^\circ F \pm (1\% + 4)\ @\ 1\ ^\circ F$ $752 \dots 1832\ ^\circ F \pm 2.5\%\ @\ 1\ ^\circ F$
hFE:	—
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	✓
Main features:	• Large, readable LCD display with backlight • Aesthetic and solid construction • Rotation measurement (unit: RPM - revolutions/minute) - Additional converter RPM/frequency required
Power supply:	9V, type 6F22 battery - included
Dimensions:	205 x 101 x 60 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years