

Code: UT-139A

UNIVERSAL METER **UT-139A** UNI-T



UT-139A is a universal digital meter used to measure: voltage, current, resistance. The meter has the function of automatic change of measuring ranges, as well as a relative measurement mode (when measuring voltage, current and resistance). The device also has a built-in battery tester.

For AC measurements, the device has a built-in filter that eliminates high-frequency disturbances that may affect the measurement accuracy (VFC). Additionally, the UT-139A has an electric field detection (NCV) function.

DC voltage measurement:	$20\text{ mV} \pm (0.7\% + 2) @ 10\ \mu\text{V}$, $200\text{ mV} \pm (0.5\% + 2) @ 0.1\text{ mV}$, $2\text{ V} \pm (0.7\% + 3) @ 1\text{ mV}$, $20\text{ V} \pm (0.7\% + 3) @ 10\text{ mV}$, $200\text{ V} \pm (0.7\% + 3) @ 0.1\text{ V}$, $600\text{ V} \pm (0.7\% + 3) @ 1\text{ V}$
AC voltage measurement:	<ul style="list-style-type: none"> • V.F.C. OFF (45 Hz ... 400 Hz) : $20\text{ mV} \pm (1\% + 3) @ 10\ \mu\text{V}$, $200\text{ mV} \pm (1\% + 3) @ 0.1\text{ mV}$, $2\text{ V} \pm (1\% + 3) @ 1\text{ mV}$, $20\text{ V} \pm (1\% + 3) @ 10\text{ mV}$, $200\text{ V} \pm (1\% + 3) @ 0.1\text{ V}$, $600\text{ V} \pm (1.2\% + 3) @ 1\text{ V}$, • V.F.C. ON (45 Hz ... 400 Hz) : $200\text{ V} \dots 600\text{ V} \pm (4\% + 3) @ 0.1\text{ V} / 1\text{ V}$
DC current measurement:	$200\ \mu\text{A} \pm (0.7\% + 2) @ 0.1\ \mu\text{A}$, $2000\ \mu\text{A} \pm (0.7\% + 2) @ 1\ \mu\text{A}$, $20\text{ mA} \pm (0.7\% + 2) @ 10\ \mu\text{A}$, $200\text{ mA} \pm (0.7\% + 2) @ 0.1\text{ mA}$, $2\text{ A} \pm (1.0\% + 3) @ 1\text{ mA}$, $10\text{ A} \pm (1.0\% + 3) @ 10\text{ mA}$

AC current measurement:	200 $\mu\text{A} \pm (1\% + 3)$ @ 0.1 μA , 2000 $\mu\text{A} \pm (1\% + 3)$ @ 1 μA , 20 mA $\pm (1\% + 3)$ @ 10 μA , 200 mA $\pm (1\% + 3)$ @ 0.1 mA , 2 A $\pm (1.2\% + 3)$ @ 1 mA , 10 A $\pm (1.2\% + 3)$ @ 10 mA
Resistance measurement:	200 $\Omega \pm (1\% + 2)$ @ 0.1 Ω , 2 k $\Omega \pm (1\% + 2)$ @ 1 Ω , 20 k $\Omega \pm (1\% + 2)$ @ 10 Ω , 200 k $\Omega \pm (1\% + 2)$ @ 100 Ω , 2 M $\Omega \pm (1\% + 2)$ @ 1 k Ω , 20 M $\Omega \pm (1.2\% + 3)$ @ 10 k Ω
Capacitance measurement:	—
Inductance measurement:	—
Frequency measurement:	—
Square-wave signal duty ratio measurement:	—
Temperature measurement:	—
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"> • Measurement of the battery discharge level: 9V, 1.5V, • NCV - electric field detection function, • V.F.C. function - allows to measure the AC voltage values using low-pass filter with a frequency limit of 400 Hz, • REL - relative measurement mode, • Hold - stopping the meter reading, • Writing the value MAX / MIN, • Large, readable LCD display with backlight, • Aesthetic and solid construction, • Low battery level alarm
Power supply:	2 x 1.5V, type AA/LR6/FR6 battery - included
Weight:	0.42 kg
Dimensions:	176 x 81 x 48 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years