

Code: UT-71A

## UNIVERSAL METER UT-71A UNI-T

Net: 131.36 EUR Gross: 161.57 EUR



The UT-71A is a universal digital meter used to measure: voltage, current, resistance, inductance, capacitance, frequency, temperature and checking the correct operation of diodes. The meter has the function of automatic change of measuring ranges, as well as the relative measurement mode.

### SPECIFICATION

DC voltage measurement:	200 mV $\pm$ (0.1% + 8) @ 0.01 mV , 2 V $\pm$ (0.1% + 8) @ 0.0001 V , 20 V $\pm$ (0.1% + 8) @ 0.001 V , 200 V $\pm$ (0.1% + 8) @ 0.01 V , 1000 V $\pm$ (0.15% + 8) @ 0.1 V
AC voltage measurement:	<ul style="list-style-type: none"><li>• 2 V @ 0.0001 V : <math>\pm</math> (0.8% + 40) @ 45 Hz ... 1 kHz <math>\pm</math> (3% + 40) @ 1 kHz ... 10 kHz <math>\pm</math> (7% + 40) @ 10 kHz ... 100 kHz</li><li>• 20 V @ 0.001 V : <math>\pm</math> (0.8% + 40) @ 45 Hz ... 1 kHz <math>\pm</math> (3% + 40) @ 1 kHz ... 10 kHz <math>\pm</math> (7% + 40) @ 10 kHz ... 100 kHz</li><li>• 200 V @ 0.01 V : <math>\pm</math> (0.8% + 40) @ 45 Hz ... 1 kHz <math>\pm</math> (5% + 40) @ 1 kHz ... 10 kHz</li><li>• 1000 V @ 0.1 V : <math>\pm</math> (1.5% + 40) @ 45 Hz ... 1 kHz <math>\pm</math> (6% + 40) @ 1 kHz ... 5 kHz <math>\pm</math> (10% + 40) @ 5 kHz ... 100 kHz</li></ul>
DC current measurement:	200 $\mu$ A $\pm$ (0.2% + 20) @ 0.01 $\mu$ A , 2000 $\mu$ A $\pm$ (0.2% + 20) @ 0.1 $\mu$ A , 20 mA $\pm$ (0.2% + 20) @ 0.001 mA , 200 mA $\pm$ (0.2% + 20) @ 0.01 mA , 10 A $\pm$ (0.8% + 30) @ 0.001 mA

AC current measurement:	<ul style="list-style-type: none"> <li>• 200 <math>\mu</math>A @ 0.01 <math>\mu</math>A :  <math>\pm</math> (1% + 15) @ 45 Hz ... 1 kHz  <math>\pm</math> (2% + 40) @ 1 kHz ... 10 kHz</li> <li>• 2000 <math>\mu</math>A @ 0.1 <math>\mu</math>A :  <math>\pm</math> (1% + 15) @ 45 Hz ... 1 kHz  <math>\pm</math> (2% + 40) @ 1 kHz ... 10 kHz</li> <li>• 20 mA @ 0.001 mA :  <math>\pm</math> (1% + 15) @ 45 Hz ... 1 kHz  <math>\pm</math> (2% + 40) @ 1 kHz ... 10 kHz</li> <li>• 200 mA @ 0.01 mA :  <math>\pm</math> (1% + 15) @ 45 Hz ... 1 kHz  <math>\pm</math> (2% + 40) @ 1 kHz ... 10 kHz</li> <li>• 10 A @ 0.001 A :  <math>\pm</math> (2% + 20) @ 45 Hz ... 1 kHz  <math>\pm</math> (2% + 40) @ 1 kHz ... 10 kHz</li> </ul>
Resistance measurement:	200 $\Omega$ $\pm$ (0.5% + 20) + test leads resistance @ 0.01 $\Omega$ , 2 k $\Omega$ $\pm$ (0.5% + 20) @ 0.0001 k $\Omega$ , 20 k $\Omega$ $\pm$ (0.5% + 20) @ 0.001 k $\Omega$ , 200 k $\Omega$ $\pm$ (1% + 20) @ 0.01 k $\Omega$ , 2 M $\Omega$ $\pm$ (1% + 40) @ 0.0001 M $\Omega$ , 20 M $\Omega$ $\pm$ (1.5% + 40) @ 0.001 M $\Omega$
Capacitance measurement:	20 nF $\pm$ (1.5% + 20) + capacity of test leads @ 0.001 nF , 200 nF $\pm$ (1.5% + 20) @ 0.01 nF , 2 $\mu$ F $\pm$ (1.5% + 20) @ 0.0001 $\mu$ F , 20 $\mu$ F $\pm$ (1.5% + 40) @ 0.001 $\mu$ F , 400 $\mu$ F $\pm$ (1.5% + 40) @ 0.01 $\mu$ F , 2 mF $\pm$ (5% + 40) @ 0.0001 mF 20 mF @ 0.001 mF
Inductance measurement:	—
Frequency measurement:	20 Hz $\pm$ (0.1% + 15) @ 0.001 Hz 200 Hz $\pm$ (0.1% + 15) @ 0.01 Hz 2 kHz $\pm$ (0.1% + 15) @ 0.0001 Hz 20 kHz $\pm$ (0.1% + 15) @ 0.001 Hz 200 kHz $\pm$ (0.1% + 15) @ 0.01 Hz 2 MHz $\pm$ (0.1% + 15) @ 0.0001 MHz 20 MHz $\pm$ (0.1% + 15) @ 0.001 Hz 200 MHz @ 0.01 MHz
Temperature measurement:	—
Automatic change of measuring ranges:	✓
hFE:	—
Diode test:	✓
Sound signal of the continuity test:	✓
Checking TTL logic states:	—
RS-232:	—
USB:	✓
Main features:	<ul style="list-style-type: none"> <li>• Freezing the last reading,</li> <li>• Freezing the highest or lowest measurement,</li> <li>• Writing the value peak,</li> <li>• REL - relative measurement mode,</li> <li>• Analog bargraph,</li> <li>• Possibility to save readings, access saved results and send them to a computer using the USB interface,</li> <li>• Large, readable LCD display with backlight,</li> <li>• Low battery level alarm,</li> <li>• Aesthetic and solid construction,</li> <li>• The set includes short test leads with crocodile clips,</li> <li>• The set includes a practical case</li> </ul>
Power supply:	9V, type 6F22 battery - included
Weight:	0.35 kg



Dimensions:	203 x 93 x 40 mm
Manufacturer / Brand:	UNI-T
Guarantee:	2 years

## PRESENTATION

Front panel:



Rear view:



Place for batteries 2 x 1.5V AAA:



In the kit:



Device is secured by handy case:

