UNI-T UT33B+ Palm Size Digital Multimeter

Digital Multimeter | 600 V / 10 A | CAT II 600 V



1. GENERAL DESCRIPTION

The UT33B+ is a compact palm-size digital multimeter for everyday electrical and electronics measurements. It measures AC and DC voltage, DC current and resistance, with continuity buzzer, diode test and a battery test for 1.5 V, 9 V and 12 V batteries. A clear 2000-count LCD, protective holster and 2 m drop protection make it suited to general electrical work, service and education.

2. KEY FEATURES

- DC voltage up to 600 V, AC voltage up to 600 V, DC current up to 10 A
- Resistance up to 20 MΩ, with continuity buzzer and diode test
- Battery test for 1.5 V / 9 V / 12 V batteries, showing good, low or bad
- 2000-count LCD with backlight; auto power off and auto backlight off
- Safety rating CAT II 600 V; withstands a 2 m drop
- Protective holster with test lead hanging groove
- Compact body (134 × 77 × 47 mm), 206 g with batteries

3. APPLICATIONS

- Checking voltage, current and resistance in electrical and electronics work
- Continuity and diode testing when tracing faults
- Checking the condition of household and small batteries
- General electrical service, maintenance, training and DIY use

4. MEASUREMENT FUNCTIONS

- DC voltage: 200 mV to 600 V
- AC voltage: 200 V and 600 V ranges
- DC current: 200 µA, 200 mA and 10 A ranges
- Resistance: 200 Ω to 20 MΩ; continuity buzzer; diode test

- Battery test: 1.5 V, 9 V and 12 V
- Not for AC current, capacitance or temperature measurement, or for CAT III / CAT IV installations

5. TOOL SPECIFICATIONS

Model	UT33B+
Function	AC / DC voltage, DC current, resistance, continuity, diode and battery test
Display	LCD, 2000 counts, 66 × 51 mm, with backlight
Range Selection	Manual
DC Voltage	200 mV / 2 V / 20 V / 200 V / 600 V, ±(0.5% + 2)
AC Voltage	200 V / 600 V, ±(1.2% + 3)
DC Current	200 µA / 200 mA / 10 A, ±(1% + 2)
Resistance	200 Ω / 2 kΩ / 20 kΩ / 200 kΩ / 20 MΩ, ±(0.8% + 2)
Battery Test	1.5 V / 9 V / 12 V (good / low / bad)
Safety Rating	CAT II 600 V (EN 61010)
Drop Protection	2 m
Power	1.5 V AAA (R03) batteries [quantity: 2 — confirm]
Dimensions	134 × 77 × 47 mm
Weight	206 g (batteries included)
Certificates	CE, UKCA, cETLus
Supplied With	Test leads, batteries, protective holster, English manual

6. USAGE & SAFETY

- Select the correct function and range before connecting the test leads; never exceed 600 V on any input.
- Disconnect power and discharge capacitors before measuring resistance, continuity or diodes.
- Use only on circuits within the CAT II 600 V rating, and do not use if the meter or leads are damaged.
- Replace the batteries when the low battery indicator appears.
- Keep the meter clean and dry; remove the batteries if it will not be used for a long time.