

UT89X Series Digital Multimeters

Introduction

UT89X/UT89XD is a reliable hand-held 35/6 bit digital multimeter with true RMS sine wave measurement. It can measure Max. 1000V DC/AC voltage, Max. 20A DC/AC current, resistance, capacitance, frequency, diode, hFE, continuity and NCV, quickly distinguishing between neutral and live wires accurately. UT89X can measure temperature and detect neutral and live wires with a test lead. UT89XD can perform LED test. Equipped with audible and visible alarm, flashlight and auto backlight functions, this series can be used in dark environment. It attracts users with its bi-color durable case, modern exterior and multiple functions.

Features

1. 1000V AC/DC; 20A AC/DC
2. True RMS, 6000 count
3. Dual range NCV test which quickly identifies neutral and live wires through light intensity
4. LED measurement (UT89XD)
5. Audible/visual alarm
6. Capacitor charging indicator
7. Ergonomic design
8. Double injection molding
9. 1m drop proof
10. Flashlight; Auto backlight

Safety ratings

CAT III 600V/CAT II 1000V

Specifications	Range	UT89X	UT89XD
DC voltage (V)	600mV/6V/60V/600V/1000V	±(0.5%+2)	±(0.5%+2)
AC voltage (V)	6V/60V/600V/1000V	±(0.8%+5)	±(0.8%+5)
DC current (A)	60μA/60mA/600mA/20A	±(0.8%+8)	
	60μA/6mA/60mA/600mA/20A		±(0.8%+8)
AC current (A)	60mA/600mA/20A	±(1%+12)	±(1%+12)
Resistance (Ω)	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ	±(0.8%+3)	±(0.8%+3)
Capacitance (F)	6nF/60nF/600nF/6μF/60μF/600μF/6mF/60mF	±(2.5%+20)	±(2.5%+20)
Frequency (Hz)	9.999Hz/9.999MHz	±(0.1%+4)	±(0.1%+4)
Duty cycle	0.1%~99.9%	±(2%+5)	±(2%+5)
Temperature (°C)	-40°C~1000°C	±(2%+4)	
Temperature (°F)	-40°F~1832°F	±(2%+8)	
Features			
Display count		6000	6000
Sampling rate		3 times/s	3 times/s
True RMS		✓	✓
AC voltage frequency response		45~1000Hz	45~1000Hz
AC current frequency response		45~1000Hz	45~1000Hz
Live wire test		✓	
LED test			✓
Audible/visual alarm	V/A/Cap/Diode/hFE/NCV/Live (UT89X)/LED (UT89XD)		
Diode/Continuity test		✓	✓
Transistor hFE		✓	✓
Dual range NCV test		✓	✓
Auto power off		✓	✓
Low battery indication		✓	✓
Data hold		✓	✓
Function selection	SELECT	✓	✓
Flashlight		✓	✓
Auto backlight		✓	✓

General Characteristics	
Power	1.5V battery (R03) x 4
Display	61mm x 36mm
Product color	Red and grey
Product net weight	345g
Product size	189mm x 89mm x 53mm
Standard accessories	Batteries, test lead, k-type temperature probe (UT89X)
Standard individual packing	Gift box, English manual
Standard quantity per carton	40pcs
Standard carton measurement	490mm x 450mm x 340mm
Standard carton gross weight	23.5kg