

# UNI-T®

DC voltage (V)	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
AC voltage (V)	750V	750V	1000V	1000V	1000V	750V	750V	1000V	1000V	1000V
DC current (A)	10A	10A	20A	10A	10A	20A	20A	20A	20A	20A
AC current (A)	10A	10A	20A	10A	10A	20A	20A	20A	20A	20A
Resistance (Ω)	200MΩ	40MΩ	200MΩ	40MΩ	40MΩ	60MΩ	60MΩ	60MΩ	60MΩ	200MΩ
Capacitance (F)	10mF	10mF	2000μF	40mF	40mF	100mF	100mF	100mF	100mF	200mF
Frequency (Hz)		1MHz	2MHz	40MHz	40MHz	10MHz	10MHz	10MHz	10MHz	60MHz
Temperature (°C)		-40°C ~1000°C	-40°C ~1000°C		-40°C ~1000°C	-40°C ~1000°C		-40°C ~1000°C		-40°C ~1000°C

Features
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Display count	4000	4000	20000	4000	4000	6000	6000	6000	6000	20000
Diode/continuity	●	●	●	●	●	●	●	●	●	●
Low battery indication	●	●	●	●	●	●	●	●	●	●
Data hold	●	●	●	●	●	●	●	●	●	●
Auto power off	●	●	●	●	●	●	●	●	●	●
LCD backlight	●	●	●	●	●	●	●	●	●	●
Duty cycle								●	●	
Relative mode	●	●	●			●	●	●	●	●
NCV		●	●	●		●	●	●	●	
Auto range				●	●					
Trnsistor (hFE)	●	●	●	●	●	●	●	●	●	
Conductance (nS)			●							●
Live test							●	●		
LED test									●	
Max/Min						●	●			●
True RMS						●	●	●	●	●

## Safety Features

[illegible]

Capacitor Measurement	
	Fully charged
	Charging in progress

LED Test (UT89XD only)	
	Normal LED, forward voltage within 11.1V DC
	LED not working



UT89XE

Features	
Sampling rate: 3 times/s	Display count: 6000/20000
True RMS	AC frequency range: 45~1000Hz
Audible/visual alarm	Diode/continuity test
Capacitor charging indicator	Auto power off/auto backlight
Ergonomic design	Conductance 200nS (89XE)
Double injection molding	Data hold
Auto backlight	Function selection: SELECT

Specifications	Range	UT89X	UT89XD	UT89XE
DC voltage (V)	600mV/6V/60V/600V/1000V 200mV/2V/20V/200V/1000V	$\pm(0.5\%+2)$	$\pm(0.5\%+2)$	$\pm(0.05\%+5)$
AC voltage (V)	6V/60V/600V/1000V 200mV/2V/20V/200V/1000V	$\pm(0.8\%+5)$	$\pm(0.8\%+5)$	$\pm(0.8\%+25)$
DC current (A)	60μA/60mA/600mA/20A 60μA/6mA/60mA/600mA/20A 2000μA/200mA/20A	$\pm(0.8\%+8)$	$\pm(0.8\%+8)$	$\pm(0.5\%+4)$
AC current (A)	60mA/600mA/20A 2000uA/200mA/20A	$\pm(1\%+12)$	$\pm(1\%+12)$	$\pm(1.5\%+15)$
Resistance (Ω)	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ 200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ	$\pm(0.8\%+3)$	$\pm(0.8\%+3)$	$\pm(0.4\%+5)$
Capacitance (F)	100mF 200mF	$\pm(2.5\%+20)$	$\pm(2.5\%+20)$	$\pm(4\%+50)$
Conductance (ns)	200nS			$\pm(1.2\%+50)$
Frequency (Hz)	9.999Hz/9.999MHz 60MHz	$\pm(0.1\%+4)$	$\pm(0.1\%+4)$	$\pm(0.1\%+3)$
Duty cycle	0.1%~99.9%	$\pm(2\%+5)$	$\pm(2\%+5)$	
Temperature (°C)	-40°C~1000°C	$\pm(2\%+4)$		$\pm(1\%+10)$
Temperature (°F)	-40°F~1832°F	$\pm(2\%+8)$		$\pm(1.5\%+10)$
Live wire test		✓		
LED test			12V	
Audible/visual alarm	V/A/Cap/Diode	Live/hFE/NCV	LED/hFE/NCV	✓
Transistor hFE		✓	✓	
Dual range NCV test		✓	✓	
Flashlight		✓	✓	
MAX/MIN				✓
Peak Hold				✓
LPF measurement				✓
Category ratings	CAT II 1000V, CAT III 600V			

Characteristics	
Standard accessories	Batteries, test lead, k-type temperature probe (UT89X/UT89XE), English manual
Power	1.5V battery (R03) x 4
Display	61 x 36mm
Product size	189 x 89 x 53mm
Product net weight	345g
Standard individual packing	Gift box
Standard quantity per carton	20pcs
Standard carton measurement	450 x 355 x 340mm
Standard carton gross weight	12.2kg