UNI-T®

UT89X Series

True RMS Digital Multimeters

Capacitor Measurement	
	Fully charged
	Charging in progress

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

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



UT89XD

Specifications	Range	UT89X	UT89XD	UT89XE
DC voltage (V)	600mV/6V/60V/600V/1000V 200mV/2V/20V/200V/1000V	±(0.5%+2)	±(0.5%+2)	±(0.05%+5)
AC voltage (V)	6V/60V/600V/1000V 200mV/2V/20V/200V/1000V	±(0.8%+5)	±(0.8%+5)	±(0.8%+25)
DC current (A)	60μA/60mA/600mA/20A 60μA/6mA/60mA/600mA/20A 2000μA/200mA/20A	±(0.8%+8)	±(0.8%+8)	±(0.5%+4)
AC current (A)	60mA/600mA/20A 2000uA/200mA/20A	±(1%+12)	±(1%+12)	±(1.5%+15)
Resistance (Ω)	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ 200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ	±(0.8%+3)	±(0.8%+3)	±(0.4%+5)
Capacitance (F)	100mF 200mF	±(2.5%+20)	±(2.5%+20)	±(4%+50)
Conductance (ns)	200nS			±(1.2%+50)
Frequency (Hz)	9.999Hz/9.999MHz 60MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+3)
Duty cycle	0.1%~99.9%	±(2%+5)	±(2%+5)	
Temperature (°C)	-40°C~1000°C	±(2%+4)		±(1%+10)
Temperature (°F)	-40°F~1832°F	±(2%+8)		±(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			