

# UT890D Digital Multimeter

## Product Features:

1. 6000 Counts
2. True RMS voltage and current measurements
3. Capacitance, Resistance, Buzzer, Diode
4. Capacitance with REL function, resolution is 1pF, maximum measurement range is 6000 $\mu$ F
5. Highly accurate frequency measurement function; minimum resolution is 0.001Hz
6. MAX\MIN and MAX-MIN value
7. DC current minimum resolution is 0.01 A, AC current minimum resolution is 1 $\mu$ A, maximum range is 20A
8. HOLD function, backlight and auto power off function



## Technical Specifications:

Specifications	Range	Accuracy
DC current(V)	600.0mV	$\pm(0.5\% + 4)$
	6.000V/60.00V/600.0V	$\pm(0.5\%+2)$
AC current(V)	1000V	$\pm(0.7\%+10)$
	6.000V/60.00V/600.0V	$\pm(0.8\%+3)$
	750V	$\pm(1.0\%+10)$
AC Current(A)	6.000mA/60.00mA	$\pm(1.0\%+12)$
	600.0mA	$\pm(2.0\%+3)$
	20.00A	$\pm(3.0\%+5)$
DC Current(A)	60.00 $\mu$ A/6.000mA/60.00mA	$\pm(0.8\%+8)$
	600.0mA	$\pm(1.2\%+5)$
	20.00A	$\pm(2.0\%+5)$
Resistance( $\Omega$ )	600.0 $\Omega$	$\pm(0.8\%+5)$
	6.000k $\Omega$ /60.00k $\Omega$ /600.0k $\Omega$ /6.000M $\Omega$	$\pm(0.8\%+3)$
	60.00M $\Omega$	$\pm(1.0\%+25)$
Capacitance ( F )	9.999nF	$\pm(5.0\%+35)$
	99.99nF~999.9 $\mu$ F	$\pm(2.5\%+20)$
	9.999mF	$\pm(5.0\%+10)$
	99.99mF	$10\text{mF} \leq C \leq 20\text{mF}$
		$\pm ( 10.0\%+5)$

Frequency(Hz)	9.999Hz~9.999MHz	$\pm(0.1\%+5)$
	Measurement range: 10Hz ~ 10MHz(Auto Range), $\leq 100\text{kHz}$ : $100\text{mVrms} \leq \text{Input amplitude} \leq 30\text{Vrms}$ , $> 100\text{kHz} \sim 1\text{MHz}$ : $200\text{mVrms} \leq \text{Input amplitude} \leq 30\text{Vrms}$ , $> 1\text{MHz}$ : $600\text{mVrms} \leq \text{Input amplitude} \leq 30\text{Vrms}$	
MAX/MIN		√
True RMS		√
Frequency Response	Applies to sine wave and triangular wave, $\geq 200\text{Hz}$ , other waveforms are for reference	40Hz~1kHz
Diode Test		√
hFE		√
Continuity Test		√
REL		√
Data Hold		√
Backlight Adjustment		√
Battery Voltage Indicator		√
Auto Power Off	Around 15 Minutes	√
Input Impedance For DCV	$\geq 10\text{M}\Omega$	√
General Characteristics		
Use Environment	18°C ~ 28°C(64°F ~ 82°F) Relative Temperature	
Battery	9V Battery ( 6F22 )	
LCD size	63mm × 29mm	

Product Color	Red and Grey
Product Net Weight	300g
Product Size	186mm × 91mm × 39mm
Standard Accessories	Test Leads, Battery
Standard Individual Packing	Gift Box, Instructions, Warranty Card
Standard Quantity Per Carton	40PC
Standard Individual Packing Size	645mm × 450mm × 340mm
Standard Carton Gross Weight	22.8 Kg