

### General Specifications

Display (LCD)	6000 counts
Ranging	Auto/Manual
Material	ABS/PVC
Update Rate	3 times/second
Ture RMS	√
Data Hold	√
Backlight	√
Low Battery Indication	√
Auto Power Off	√

### Mechanical Specifications

Dimension	176*91*47mm
Weight	330g
Battery Type	1.5V AA Battery * 3

### Environmental Specifications

Operating	Temperature	0~40°C
	Humidity	<75%
Storage	Temperature	-20~60°C
	Humidity	<80%

## Electrical Specifications

Function	Range	Resolution	Accuracy
DC Voltage (V) (mV)	600.0mV	0.1mV	±(0.5%+3)
	6.000V	0.001V	
	60.00V	0.01V	
	600.0V	0.1V	
	1000V	1V	

AC Voltage (V) (mV)	600.0mV	0.1mV	±(1.0%+3)
	6.000V	0.001V	
	60.00V	0.01V	
	600.0V	0.1V	
	750V	1V	
DC Current (A)	6.000A	0.001A	±(1.2%+3)
	20.00A	0.01A	
<i>Function</i>	<i>Range</i>	<i>Resolution</i>	<i>Accuracy</i>
DC Current (mA)	6.000mA	0.001mA	±(1.2%+3)
	60.00mA	0.01mA	
	600.0mA	0.1mA	
DC Current (μA)	600.0μA	0.1μA	
AC Current (A)	6.000A	0.001A	±(1.5%+3)
	20.00A	0.01A	
AC Current (mA)	6.000mA	0.001mA	±(1.5%+3)
	60.00mA	0.01mA	
	600.0mA	0.1mA	
AC Current (μA)	600.0μA	0.1μA	
Resistance	600.0Ω	0.1Ω	±(0.5%+3)
	6.000kΩ	0.001kΩ	
	60.00kΩ	0.01kΩ	
	600.0kΩ	0.1kΩ	
	6.000MΩ	0.001MΩ	
	60.00MΩ	0.01MΩ	±(1.5%+3)

Function	Range	Resolution	Accuracy	Function	Range	Resolution	Accuracy	
Capacitance	9.999nF	0.001nF	$\pm(5.0\%+20)$	Temperature	$(-20\sim 1000)^{\circ}\text{C}$	$1^{\circ}\text{C}$	$\pm(2.5\%+5)$	
	99.99nF	0.01nF	$\pm(2.0\%+5)$		$(-4\sim 1832)^{\circ}\text{F}$	$1^{\circ}\text{F}$		
	999.9nF	0.1nF		Diode	$\checkmark$			
	9.999 $\mu\text{F}$	0.001 $\mu\text{F}$		Continuity	$\checkmark$			
	99.99 $\mu\text{F}$	0.01 $\mu\text{F}$		Square wave output	50Hz~5000Hz			
	999.9 $\mu\text{F}$	0.1 $\mu\text{F}$						
	9.999mF	0.001mF		$\pm(5.0\%+5)$				
	99.99mF	0.01mF						
Frequency	9.999Hz	0.001Hz		$\pm(0.1\%+2)$				
	99.99Hz	0.01Hz						
	999.9Hz	0.1Hz						
	9.999kHz	0.001kHz						
	99.99kHz	0.01kHz						
	999.9kHz	0.1kHz						
	9.999MHz	0.001MHz						
Duty Cycle	1%~99%	0.1%	$\pm(0.1\%+2)$					

Battery test		1.5V	9V	12V
load Current		10mA	10mA	120mA
Dump Energy	Green	$\geq 1.30\text{V}$	$\geq 7.83\text{V}$	$\geq 10.44\text{V}$
	Yellow	0.94V~1.29V	5.64V~7.82V	7.52V~10.43V
	Red	0.15V~0.93V	0.90V~5.63V	1.2V~7.51V
	No light	$\leq 0.14\text{V}$	$\leq 0.89\text{V}$	$\leq 1.19\text{V}$

# Manual Range + Automatic Gear

## Other Gears

### Manual Range

- AC/DC Voltage/Current
- Resistance, Capacitance
- Diode, Frequency
- Temperature, Duty Cycle
- Continuity, Buzzer
- Square Wave Output
- Battery Test
- Measurement



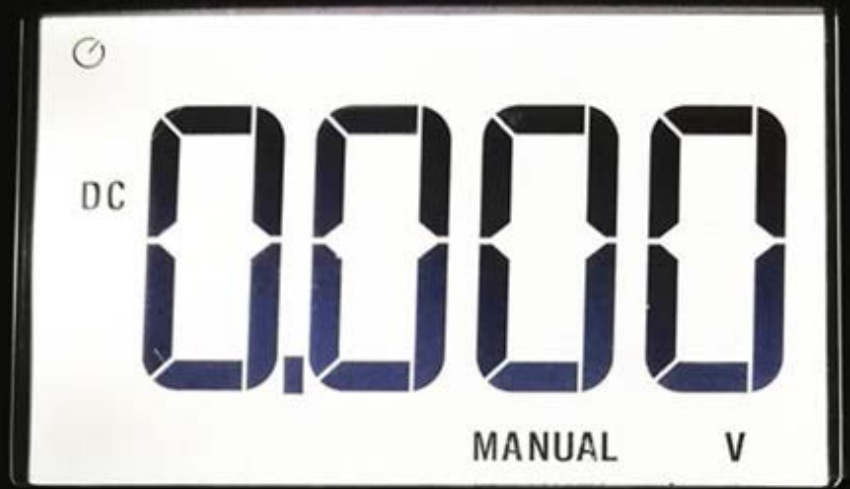
## AUTO

- Automatic Gear
- AC/DC Voltage
- Resistance
- Continuity
- Measurement

**6000 Counts**

**Digital LCD**

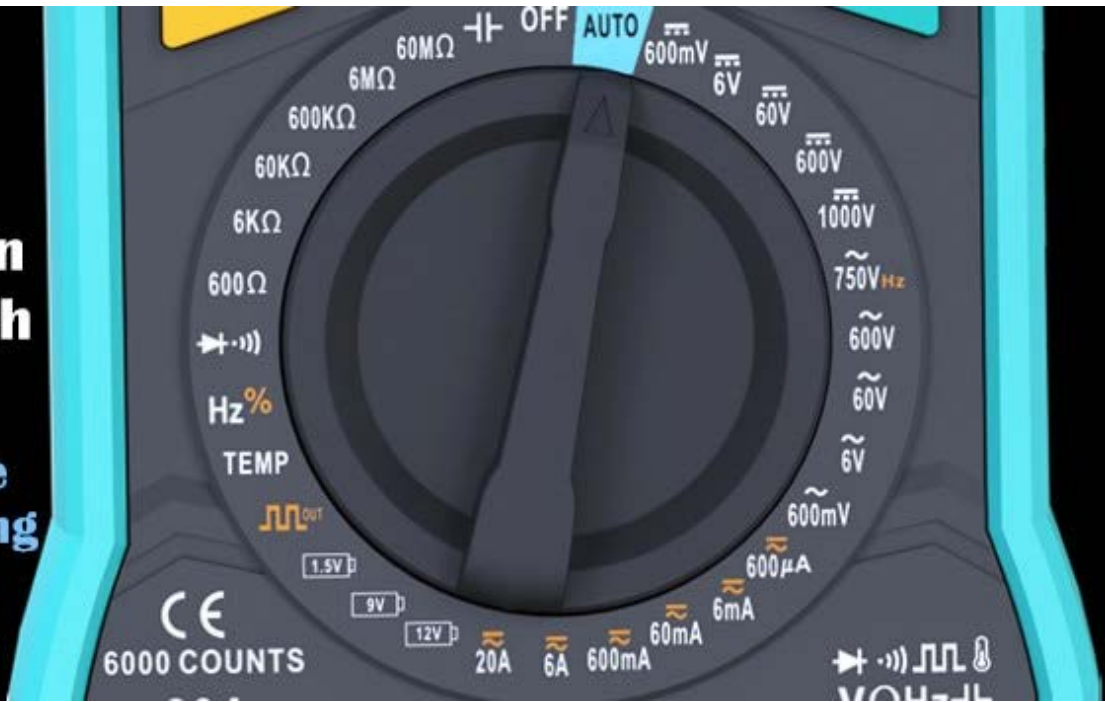
**With Backlight**



**AUTO**

**Auto Recognition  
No need to switch  
manually**

**Voltage/Resistance  
/Continuity measuring**







**Voltage Port**

**Voltage less than 550V,  
full gear anti-burn**