Digital Multimeter Technical Specifications

Standard conditions: The environment temperature is 18℃ to 28℃, the relative humidity is less than 80%.

Function		Measurement Range	Resolution	Accuracy
DC Voltage (V)	mV	60.00mV/600.0mV	0.01 mV	±(0.5%+2dig)
	V	60.00mV/600.0mV/6.000V/60.00V	0.1 mV	
		600.0V/1000V	0.1 V	
AC Voltage (V)	mV	60.00mV/600.0mV	0.01 mV	±(0.8%+2dig)
	V	60.00mV/600.0mV/6.000V/60.00V	1 mV	±(0.8%+2dig)
		600.0V/750V	0.1 V	±(1%+3dig)
DC Current (A)	μA	600.0μA	0.1 μA	±(0.8%+2dig)
	mA	600.0μA/6.000mA/60.00mA/ 600.0mA/6.000A	0.01 mA	±(0.8%+2dig)
	A	20.00A [1]	1 mA	±(1.2%+3dig)
AC Current (A)	μA	600.0μA	0.1 μA	±(1%+3dig)
	mA	600.0μA/6.000mA/60.00mA/ 600.0mA/6.000A	0.01 mA	±(0.8%+2dig)
	A	20.00A [1]	1 mA	±(2%+3dig)
Resistance (Ω)		600.0Ω/6.000kΩ/60.00kΩ/600.0kΩ/ 6.000MΩ/10.00MΩ	0.1 Ω	±(0.8%+2dig)
		60.00MΩ	0.01 MΩ	±(2%+3dig)
Capacitance (F)		40.00nF	0.01 nF	±(2.5%+3dig)
		400.0nF/4.000μF/40.00μF	0.1 nF	±(2.5%+3dig)
		400.0μF/4000μF [2]	0.1 μF	±(3%+5dig)
Frequency [3] (Hz)		9.999Hz/99.99Hz/999.9Hz/9.999k Hz/99.99kHz/999.9kHz/9.999MHz	1 mHz	±(0.8%+2dig)
Duty Cycle [4] (%)		0.1% - 99.9% (Typical: Vrms=1 V, f=1 kHz)	0.1%	±(1.2%+3dig)
		0.1% - 99.9%(1 kHz)		±(2.5%+3dig)
Temperature (°C/°F)		−50 ℃ to 400 ℃	1 ℃	±(2.5%+3dig)
		−58 ℉ to 752 ℉	1 ℉	±(4.5%+5dig)

[1] When measuring current, for 10 A to 15 A, the measuring duration should not be over 2 minutes within 10 minutes, and in this 10 minutes, no other current should flow through except within the measuring duration; for 15 A to 20 A, the measuring duration should not be over 10 seconds within 15 minutes, and in this 15 minutes, no other current should flow through except within the measuring duration.

[2] When measuring capacitance, for the 4000 uF range, the measuring duration should be over 30 seconds.

[3] When measuring frequency, the typical waveform is Square or Sine. The signal meets the following conditions.

Frequency	Amplitude (rms)
1 Hz – 4 MHz	≥ 100 mV
4 MHz – 8 MHz	≥ 200 mV
8 MHz – 10 MHz	≥ 300 mV

[4] When measuring duty cycle, the typical waveform is Square.

Characteristics	Instruction
Display	6000
Frequency Response (Hz)	(40 - 1000) Hz
Sample rate for digital data	3 times/second
Sample rate for analog bar graph	30 times/second
Bluetooth	√
Auto ranging	√
True RMS	√
Diodes Test	√
Measuring Transistor	√
Sleep Mode	√
Continuity Test	√
Low battery indication	√ (The "[+-]" is displayed when the battery is under the proper operation range.)
Data Hold	√
Relative Measurement	√
MAX/MIN Value	√
LCD Backlight	√
Analog bar graph	61 Segments
Input Protection	√
Input Impedance	10 MΩ
Battery	3 V (1.5 V × 2) AA alkaline batteries
LCD Size	69 mm * 52 mm
Weight (without package)	0.32 kg
Dimension	85 mm * 185 mm * 30 mm
Working temperature	0℃ to 40℃
Storage temperature	−10℃ to 60℃
Relative Humidity	≤ 80%
Altitude	Operating: 3,000 m Non-operating: 15,000 m

Interval Period of Adjustment:
One year is recommended for the calibration interval period.

V1.3