

Features

- 6000 count True RMS
- Auto-ranging, with uA/mA/A selection
- Upto 1000V AC
- Large backlit LCD display with auto-power off
- Max/Min and Data hold
- NCV with buzzer indication
- Overload protection
- Low Battery indication
- Polarity indication



Technical Specifications

Model	Metrix+ 171TRMS+		
Safety standard	IEC 61010, CAT III 1000V		
DC Voltage (Input resistance ~10MΩ)	Range	Resolution	Accuracy
	6V ~ 600V	1mV ~ 0.1V	±(0.5% + 5)
	1000 V	1V	±(0.8% + 5)
AC Voltage(True RMS) (Input resistance ~10MΩ)	Range	Resolution	Accuracy
	6V ~ 600V	1mV ~ 0.1V	±(1.2% + 5)
	1000 V	1V	
DC Current	Range	Resolution	Accuracy
	600uA ~ 600mA	0.1uA ~ 0.1mA	±(1% + 5)
	6A ~ 20A	0.001A ~ 0.01A	±(2% + 5)
AC Current (True RMS)	Range	Resolution	Accuracy
	600uA ~ 600mA	0.1uA ~ 0.1mA	±(1.5% + 5)
	6A ~ 20A	0.001A ~ 0.01A	±(2% + 10)
Resistance	Range	Resolution	Accuracy
	600Ω ~ 6MΩ	0.1Ω ~ 0.001MΩ	±(0.8% + 5)

	60MΩ	0.01MΩ	±(2% + 5)
Capacitance	Range	Resolution	Accuracy
	10nF	0.001nF	±(3% + 20)
	100nF ~ 1mF	0.01nF ~ 1uF	±(3% + 5)
	10mF ~ 100mF	0.001mF ~ 0.01mF	±(10% + 5)
Temperature	Range	Resolution	Accuracy
	-50 ~ 400C	1C	±(1.2% + 4)
	401 ~ 1000C	1C	±(1.9% + 15)
	-58F ~ 750F	1F	±(1.2% + 6)
	751F ~ 1832F	1F	±(1.9% + 25)
Frequency	Range	Resolution	Accuracy
	10Hz ~ 10MHz	0.001Hz ~ 0.01MHz	±(0.5% + 3)
Duty Ratio	Range	Resolution	Accuracy
	1% ~ 99%	0.1%	±(0.5% + 3)
Diode	Display of similar diode positive voltage. Measuring condition: Positive DC electric current 1mA, reverse DC voltage approximate 3.3V		
Continuity	When the transited resistance is smaller than about 50Ω,the buzzer beeps. Test condition: Open-circuit voltage is about 1V.		
Additional functionalities	Diode, continuity, backlight, NCV, low battery indication, auto power off, max, min, relative value, data hold		
Display	6000 counts backlit LCD		
Fuse	uA, mA, Gear fuse F630mA/250V; A Gear Fuse :F20A/250V		
Operating temperature	0C ~ 40C, 75% RH max		
Storage temperature	-10C ~ 50C, 85% RH max		
Power	2 X 1.5V AA		
Size & weight	189 x 89 x 55mm, approx. 380g(incl. battery)		
Standard Accessories	Main unit, test leads, temperature probe, user manual, battery		