

Features

- 6000 count True RMS
- Large backlit LCD display
- Data hold and auto power off
- Flashlight
- NCV with buzzer indication
- Overload protection



Technical Specifications

Model	Metrix+ 171TRMS+		
Safety standard	GB/T 13978-92, IEC 61010-1, IEC 61010-2-032, CAT III 1000V CAT IV 600V		
DC Voltage	Range	Resolution	Accuracy
	600mV	0.1mV	±(0.5% + 3)
	6V	1mV	
	60V	10mV	
	600V	100mV	
	1000V	1V	±(0.8% + 5)
AC Voltage(True RMS)	Range	Resolution	Accuracy
	6V	1mV	±(0.8% + 3)
	60V	10mV	
	600V	100mV	±(1% + 10)
	750V	1V	
20A	10mA		
DC Current	Range	Resolution	Accuracy
	60mA	10uA	±(1% + 3)
	600mA	100uA	
	20A	10mA	±(1.5% + 3)
AC Current (True RMS)	Range	Resolution	Accuracy

	6uA	10nA	$\pm(0.8\% + 3)$
	60mA	10uA	
	600mA	100uA	
	20A	10mA	$\pm(1.2\% + 3)$
Resistance	Range	Resolution	Accuracy
	600Ω	0.1Ω	$\pm(0.8\% + 3)$
	6KΩ	1Ω	
	60KΩ	10Ω	
	600KΩ	100Ω	$\pm(1.2\% + 3)$
	6MΩ	1KΩ	
	60MΩ	10KΩ	
Capacitance	Range	Resolution	Accuracy
	9.999nF	1pF	$\pm(4\% + 3)$
	99.99nF	10pF	
	999.9nF	100pF	
	9.999uF	1nF	
	99.99uF	10nF	
	999.9uF	100nF	$\pm(5\% + 3)$
	9.999mF	1uF	
	99.99mF	10uF	
Temperature	Range	Resolution	Accuracy
	-20 ~ 300C	1C	$\pm(1\% + 4)$
	301 ~ 1000C	1C	$\pm(1.9\% + 5)$
	-4F ~ 600F	1F	$\pm(1.2\% + 6)$
	601F ~ 1832F	1F	$\pm(1.9\% + 6)$
Frequency	Range	Resolution	Accuracy
	9.999Hz	1mHz	$\pm(1\% + 3)$
	99.99Hz	10mHz	
	999.9Hz	100mHz	
	9.999kHz	1Hz	
	99.99kHz	10Hz	
	999.9kHz	10Hz	
	9.999MHz	1kHz	
Duty Ratio	Range	Resolution	Accuracy
	0.1 – 99.9%	0.1%	$\pm 3.0\%$
hFe	Display reads hFe approximation(0 ~ 1000) ; I _{bo} ~ 10uA V _{ce} ~ 2.8V		

Additional functionalities	Diode, continuity, backlight, flashlight, NCV, low battery indication, auto power off, data hold
Sampling time	About 3 times/sec
Display	6000 counts backlit LCD
Fuse	uA, mA Gear fuse FF630mA/250V; A Gear Fuse :FF20A/250V
Operating temperature	18C ~ 28C
Storage temperature	-10C ~ 50C
Power	1 x 9V 6F22
Size & weight	190 x 90 x 50 mm, approx. 380g(incl. battery)
Standard Accessories	Main unit, test leads, temperature probe, user manual, battery