DIGITAL MULTIMETER

VOLTAGE DC 1000V AC 1000V

CURRENT DC 10A AC 10A

CAT III 1000V

CAT IV 600V

Intertek

RoHS

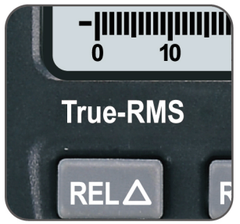
PATENTED

V̄ Ā Ω H REL

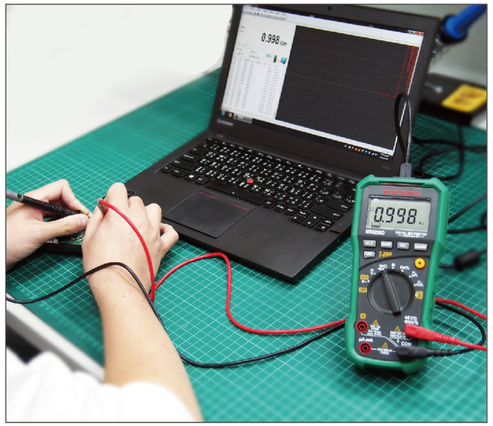
Hz% AUTO Apo TRMS MAX MIN USB

NCV

▶ True RMS Characteristics



- For non-sinusoidal signal measurement, the meter provides more accurate measurement than the traditional averaging method .
- If in AC current mode , the meter may display a random reading between 1 and 50 when the input is not active .This will not affect the accuracy if measurement .
- True RMS requires a minimum input level , AC current or voltage should be 2%~100% of the maximum level.



Accessories Included

MS8250D MS8250A / MS8250B

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Specifications	Range	Resolution	MS8250A	MS8250B	MS8250D
			Accuracy		
DC Voltage	400mV	0.1mV	±(0.8%+3)	±(0.8%+3)	
	4V/40V/400V/600V	1mV/10mV/0.1V/1V	±(0.5%+5)	±(0.5%+5)	
	660mV	0.1mV			±(0.8%+3)
	6.6V/66V/660V/1000V	1mV/10mV/0.1V/1V			±(0.5%+5)
AC Voltage	400mV	0.1mV	±(1.0%+5)	±(1.0%+5)	
	4V/40V/400V	1mV/10mV/0.1V	±(0.8%+5)	±(0.8%+5)	
	600V	1V	±(1.2%+3)	±(1.2%+3)	
	660mV	0.1mV			±(1.5%+5)
	6.6V/66V	1mV/10mV			±(1.2%+5)
	660V/1000V	0.1V/1V			±(1.0%+3)
DC Current	400μA/4000μA/40mA/400mA	0.1μA/1μA/10μA/0.1mA	±(0.8%+2)	±(0.8%+2)	
	660μA/6600μA/66mA/660mA	0.1μA/1μA/10μA/0.1mA			±(1.0%+5)
	10A	10mA	±(2.0%+5)	±(2.0%+5)	±(2.0%+5)
AC Current	400μA/4000μA/40mA/400mA	0.1μA/1μA/10μA/0.1mA	±(1.5%+2)	±(1.5%+2)	
	660μA/6600μA/66mA/660mA	0.1μA/1μA/10μA/0.1mA			±(1.5%+5)
	10A	10mA	±(3.0%+5)	±(3.0%+5)	±(3.0%+5)
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ	0.1Ω/1Ω/10Ω/0.1kΩ/4kΩ	±(1.0%+5)	±(1.0%+5)	
	40MΩ	10kΩ	±(1.2%+15)	±(1.2%+15)	
	660Ω/6.6kΩ/66kΩ/660kΩ/6.6MΩ	0.1Ω/1Ω/10Ω/0.1kΩ/1kΩ			±(0.8%+5)
	66MΩ	10kΩ			±(1.5%+5)
Capacitance	50nF/500nF/5μF/50μF/100μF	10pF/0.1nF/1nF/10nF/0.1μF	±(3.0%+5)	±(3.0%+5)	
	6.6nF	1pF			±(4.0%+5)
	66nF/660nF/6.6μF/66μF/660μF	10pF/0.1nF/1nF/10nF/0.1μF			±(3.0%+3)
	6.6mF/66mF	1μF/10μF			±(4.0%+5)
Frequency	5Hz/50Hz/500Hz/5kHz/ 50kHz/500kHz/5MHz	0.001Hz/0.01Hz/0.1Hz/1Hz 10Hz/0.1kHz/1kHz	±(0.5%+2)	±(0.5%+2)	
	66Hz/660Hz/6.6kHz/66kHz/ 660kHz/6.6MHz/66MHz	0.01Hz/0.1Hz/1Hz/10Hz 0.1kHz/1kHz/10kHz			±(1.5%+5)
Duty Cycle	0.1%~99.9%	0.1%	±(2.0%+5)	±(2.0%+5)	±(2.0%+5)
Features					
Display	counts		4000	4000	6600
Auto Ranging			●	●	●
Manual Ranging			●	●	●
APO	Auto Power Off		●	●	●
REL	Relative Measurement		●	●	●
True RMS	True Root Mean Square				●
NCV	Non-Contact Voltage Detector		●	●	●
Diode	Open Voltage		1.5V	1.5V	3.2V
Continuity Buzzer	<50Ω		●	●	●
MAX/MIN					●
Bar Graph					●
Data Hold			●	●	●
LBD	Low Battery Display		●	●	●
Display Backlight			●	●	●
USB Interface	Windows OS			●	●
General					
Power Supply	1x9V 6F22 Battery				
Product Size	175mmx86mmx52mm/6.89"x3.38"x2.04"				
Product Weight	372g/0.82lb				

Model Number	MS8250A		MS8250B		MS8250D	
Safety Rating	S	CE+ETL	S	CE+ETL	S	CE+ETL
	CAT Ⅳ 600V	CAT Ⅳ 600V	CAT Ⅳ 600V	CAT Ⅳ 600V	CAT Ⅲ 1000V CAT Ⅳ 600V	CAT Ⅲ 1000V CAT Ⅳ 600V