

Specifications of True RMS Clamp-On Meter MS2138R

The best part for this meter is small in size with flash light on top. The meter does the high current reading out to 1,000A on both AC and DC

DC Voltage

Range	Resolution	Accuracy
0-4V	1mV	±0.7 % of reading ± 1 digit
40V	0.01V	
400V	0.1V	±1 % of reading ±2 digits
0 - 600V	1V	

Input impedance : 10M Ohms
Overload protection:600V DC or 600 AC RMS

AC Voltage

Range	Resolution	Accuracy
0-4V	1mV	± 1.0 % of reading +- 5 digits
40V	10mV	
400V	0.1V	
600V	1V	±1.2 % of reading +- 5 digits

Input impedance: 10 M Ohms
Frequency Range : 40 Hz to 400 Hz
Overload protection:600V DC or 600 AC RMS

DC current

Range	Resolution	Accuracy
0- 400A	0.1A	±2.5% + 5 digits
400A - 600A	1A	±2.5% of reading +- 5 digits
1000A	1A	±3.0% of reading +- 5 digits

AC current

Range	Resolution	Accuracy
0- 400A	0.1A	±2.5% + 5 digits
400A - 600A	1A	±2.5% of reading +- 5 digits
1000A	1A	±3.0% of reading +- 5 digits

Overload protection: 240A for 60 seconds Max.
Frequency range: 50 Hz to 500 Hz

Resistance

Range	Resolution	Accuracy
400 ohms	0.1 ohm	±1.0 % of reading +- 5digits
4K	1 ohm	
40K	10 ohm	
400K	0.1 k ohm	
4M	1 k ohm	
40M	10K Ohm	±1.20% of reading +- 5digits

Overload protection: 250V DC or RMS ac for all ranges.

Frequency

Range	Resolution	Accuracy
40Hz	1 Hz	±0.1 % of reading +- 1 digits
400 Hz	1 Hz	
4KHz	10 Hz	
40KHz	100 Hz	
100 KHz	100 KHz	

1V to 10V rms. 40 Hz to 100K Hz

Frequency measurement for Clamp

Range	Resolution	Accuracy
40 Hz	0.01 Hz	±0.1 % of reading +- 1digits
400 Hz	0.1 Hz	

Audible continuity

Buzz	If continuity exists (less than 40 Ohm), built in buzz with sound
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Diode	Show approx forward voltage of the diode
Power off	30 minutes after , it shuts itself off when no operation.