

Specifications for M3900 3 1/2 digits DMM

DC Voltage

Range	Resolution	Accuracy
200mV	0.1mV	±0.5% of rdg ± 1 digits
2V	1mV	±0.8% of rdg ± 1 digits
20V	10mV	±0.8% of rdg ± 1 digits
200V	100mV	±0.8% of rdg ± 1 digits
1000V	1V	±0.8% of rdg ± 1 digits
Input Impedance:10M Ohm		

AC Voltage

Range	Resolution	Accuracy
50Hz-60Hz		
200mV	100uV	±1.2% of rdg ± 3 digits
2V	1mV	±0.8% of rdg ±3 digits
20V	10mV	
200V	100mV	
700V	1 V	±1.2 % of rdg ± 3 digits

Impedance:2M Ohm, Frequency Range: 40Hz to 1000Hz,

Response: average,calibrated in rms of sine wave

DC Current

Range	Resolution	Accuracy
20 uA	10nA	± 2.0% of rdg ±5 digits
200 uA	0.1uA	±0.8% of rdg ± 1 digits
2mA	1uA	±0.8% of rdg ± 1 digits
20mA	10uA	±0.5% of rdg ±5 digits
200mA	100uA	±0.8% of rdg ±5 digits
2:00 AM	1mA	±1.2% of rdg ± 1 digits
10A	10mA	±2.0% of rdg ± 5 digits

AC Current

Range	Resolution	Accuracy
20 uA	10 nA	± 3.0 % of rdg ± 7 digits
200uA	0.1uA	± 1.8 % of rdg ± 3 digits
2mA	1 uA	± 1.0 % of rdg ± 3 digits
20mA	10uA	± 1.0 % of rdg ± 3 digits
200mA	1uA	±1.0% of rdg ± 3 digits
2:00 AM	10uA	±1.8% of rdg ± 3 digits
10A	1mA	± 3.0% of rdg ± 7 digits

Frequency Range: 40Hz to 1000Hz, Response: Average in rms of since wave

Resistance

Range	Resolution	Accuracy
200	0.1	±0.8% of rdg ±3 digits
2K	1	±0.8% of rdg ± 1 digits

20K		10	$\pm 0.8\%$ of rdg ± 1 digits
200K		100	$\pm 0.8\%$ of rdg ± 1 digits
2M	1K		$\pm 0.8\%$ of rdg ± 1 digits
20M	10K		$\pm 1.0\%$ of rdg ± 2 digits

On 200M range, if short input, display will read 10M, this 10M should be subtracted from measurement reading results.

INPUT LIMITS

Function	RED LEAD Connection	Input Limits
200mV DC	V Hz	250 V dc or rms ac
hFE	0 - 1000 All types	Base Current 10uA , Vce approximately 2.8V
V dc & V ac	V Hz	1000V dc, 700 ac(sine)
Beep Diode	V Hz	250V dc or rms ac
mA dc or mA ac	mA	200mA dc or rms ac
	V Hz	250V dc or rms ac
20A dc or 20A ac	A	20A for 15 seconds Maximum