

Digital Multimeter

- Resistance Measurement 40 M ohm
- Instrument should have the facility of Continuity Measurement.
- The device can wirelessly send the results of measurements ("live" mode) to the mobile application
- It enables the recording and storage of results
- Capacitance Measurement 4000 μ f
- Temperature Measurement 760 deg Celsius
- backlit display
- The product should have Bluetooth function.
- Measurement Voltage in the range AC & DC – 600 V
- Measurement Current in the range AC & DC -10A
- The Display should Clear & big to see for the results.
- The backlit display must be able to switch ON and OFF from a single button from the front console.
- Storage Temperature: -20 Deg.C to 60 Deg.C.
- Relative measurement
- Safety Compliance: should conform to safety standard EN 61010-1 for instrument
- Environmental Protection Instrument should be rated.
- Instrument should have compliance to following safety standards EN 61010-1

1	AC Current Measurement	
1.1	Range	0-10.00A
1.2	Accuracy	\pm (2.0% m.v. + 5 digits)
1.3	Resolution	0.1uA
1.4		20A for 30 sec max
2	DC Current Measurement	
2.1	Range	0-10.00A
2.2	Accuracy	\pm 1% m.v.+3dgt
2.3	Resolution	0.1uA
2.4		20A for 30 sec max
3	AC/DC Voltage Measurement	
3.1	Range	0-600V
3.2	Accuracy	\pm 1% m.v.+3dgt.
3.4	Resolution	0.001V
4	Resistance Measurement	
4.1	Range	0-40.00M Ω
4.2	Accuracy	\pm 1.0% rdg.+4dgt.
4.3	Resolution	0.1 Ω
5	Continuity Measurement	
		Buzzer sound less than approx.50 Ω
6	Capacitance Measurement	
6.1	Range	4000 μ F
6.2	Accuracy	\pm 3.0% rdg. +5 dgt.
6.3	Resolution	0.01nF

7	Frequency Characteristic	
6.1	Frequency	99.99 kHz
6.2	Accuracy	± (1.0% m.v. + 4 digit)
7	Duty Cycle measurement	Yes
7.1	Accuracy	± (1.2% m.v. + 2 digits)
7.2	Resolution	0.1%
8	Display	4000 counts LCD display
9	Range switching	Auto/manual
10	Sampling rate	2 times/sec
11	Over Range Indication	OL displayed
12	Functions	Auto power save, Data hold, Battery life warning
13	Peak Hold	Peal Hold selection
14	Diode Test	I = 0.3 mA, U0 < 3.3 V DC
15	Measurement categories (EN 61010)	CAT III 600 V
16	Protection Class	IP65
17	Safety Standards	EN61010-1
18	Storage temperature	-20 to 60 degree Centigrade
19	Power Supply	2*AAA 1.5V battery
20	Weight max.	206g