



SPECIFICATIONS:-

Accuracy

All accuracy is claimed from 10% to 95% of the range.

Accuracy is specified as \pm (% of reading + digits) and is valid 0 at 25 ± 3 C, \pm 55% RH humidity.

It is recommended that calibration equipment to verify the instrument's accuracy should be ten times more accurate.

Temp. Coefficient = (0.1% x specified accuracy) per degree centigrade referred to 25°C.

Accuracy is not valid if the display shows 'LO BAT.'

General

Display : 6,000 counts dual LCD display with a white backlight.

Display Update Rate : 2.8 times per second nominal.

Dimensions (WxHxD) : 94 X 205 X 36 mm approx.

Weight : 450g. approx.

Dual Display : For AC voltage with frequency & frequency with duty cycle simultaneously

Environmental

Operating Temperature : 0°C to 50°C

Relative Humidity : 80% RH @ 5°C to 31°C

50% RH @ 31°C to 40°C non condensing

Storage Temperature: – 20°C to 60°C

Power

Power Supply : 9V Battery Type 6F22 or equivalent

Power Consumption : 8mA typical.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Low Battery Indication : 'LO BAT' is displayed below 6.5V approx.

Auto Power OFF : After 15 minutes, ideal sleep mode consumption is 1.3mA approx. (Can be canceled by pushing any except for the Hold & SELECT key before powering on the meter).

Overload Protection

Fuse Protection for 'µA' & : 0.8 A/ 250V fast blow type ceramic fuse.

'mA' input terminal

Fuse Protection for 10A : 20A/ 500V fast blow type ceramic fuse

input terminal

Ω/ / / / Hz(%) : 440 V DC / AC rms

Safety

Directives for CE Certification : LVD:2006/95/EC., EMC: 2004/104/EC

Measurement Category : CAT III, (1000V) Reinforced Insulation.

Relevant Standard Specification : EN 61010-1:2010, EN 61326-1:2006

IP Rating (Dust & Water Protection) : IP 54

Accessories

Standard Accessories

Pair of Test leads, User Manual, Battery installed, Fuses, Carry Bag.

Optional Accessories

Pair of Test Leads, Pair of small Test Leads

DC Voltage

Range	Resolution	Max. Reading	Accuracy	Overload protection
6V	1 mV	6.000 V	±(0.25% + 3)	1050V DC/AC RMS
60V	10 mV	60.00 V	±(0.25% + 3)	
600V	100 mV	600.0 V	±(0.25% + 3)	
1000V	1 V	1000 V	±(0.5% + 3)	

Note: 1. Input Impedance 10MΩapprox.

600mV Range will be displayed in manual ranging only (Unspecified accuracy).

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AC Voltage (50-500Hz) Trms

Range	Resolution	Max. Reading	Accuracy	Overload protection
6V	1 mV	6.000 V	±(1% + 5)	1050V DC/AC RMS
60V	10 mV	60.00 V	±(1% + 5)	
600V	100 mV	600.0 V	±(1% + 5)	
1000V	1 V	1000 V	±(1.2% + 8)	

Note: 1. Input impedance: 10 MΩ approx. shunted by 60pF approx.

600mV Range will be displayed in manual ranging only (unspecified accuracy).

Main display shows AC Voltage & sub-display shows frequency applied.

DC Current Rang

Range	Resolution	Max. Reading	Accuracy	Overload protection
600µA/6000µA	0.1µA/1µA	600.0µA/6000µA	±(1.2% + 5)	0.8A/ 250V DC/AC fuse protection
60mA/600 mA	10µA/100µA	60.00mA/600.0 mA	±(1.5% + 5)	
10 A	10 mA	10.00 A	±(1.5% + 8)	20A/250V DC/AC fuse protection

AC Current Range (50Hz-500Hz) Trms

Range	Resolution	Max. Reading	Accuracy	Overload protection
600µA/6000µA	0.1µA/1µA	600.0µA/6000µA	±(1.5% + 5)	0.8A/ 250V DC/AC fuse protection
60mA/600 mA	10µA/100µA	60.00mA/600.0 mA	±(1.8% + 5)	
10 A	10 mA	10.00 A	±(2.0% + 8)	20A/250V DC/AC fuse protection

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Resistance Range

Range	Resolution	Max. Reading	Accuracy	Overload protection
600 Ω	0.1 Ω	600.0 Ω	±(0.5% + 3)	440V DC/AC rms
6 KΩ	1 Ω	6.000 Ω	±(0.5% + 3)	
60 KΩ	10 Ω	60.00 KΩ	±(0.5% + 3)	
600 KΩ	100 Ω	600.0 KΩ	±(0.5% + 3)	
6 MΩ	1 KΩ	6.000 MΩ	±(1% + 5)	
60 MΩ	10 KΩ	60.00 MΩ	±(3% + 10)	

Note: 1. Open circuit voltage on 600Ω range is -3.3V DC approx.

2. Open circuit voltage on 6kΩ-6MΩ ranges is -1.10V DC approx.

3. Open circuit voltage on 60MΩ range is -600mV approx.

CAPACITANCE RANGE (Auto-Ranging Only)

Range	Resolution	Max. Reading	Accuracy	Overload protection
6 nF	0.001 nF	6.000 nF	±(5.0% + 10)	440V DC/AC RMS
60 nF	0.01 nF	60.00 nF	±(3.0% + 10)	
600 nF	0.1 nF	600.0 nF	±(3.0% + 10)	
6 μF	1 nF	6.000 μF	±(3.0% + 10)	
60 μF	10 nF	60.00 μF	±(3.0% + 10)	
600 μF	100 nF	600.0 μF	±(5.0% + 10)	
6 mF	1 μF	6.000 mF	±(5.0% + 20)	
60 mF	10 μF	60.00 mF	±(5.0% + 30)	

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Diode Test

Range	Resolution	Open Circuit Voltage	Test Current
6V	1mV	≤3.0 V DC approx.	≤2.0mA approx.

Continuity Test

Range	Resolution	
600.0Ω	0.1Ω	Meter Beeps < 60Ω

Note: Open Circuit Voltage on continuity range is -3.3VDC approx.

FREQUENCY RANGES (Auto-Ranging Only)

Range	Resolution	Max. Reading	Accuracy	Overload protection
60 Hz	0.01 Hz	60.00 Hz	±(0.5% + 3)	1000V DC/AC RMS
600 Hz	0.1 Hz	600.0 Hz	±(0.5% + 3)	
6 kHz	1 HZ	6.000 kHz	±(0.5% + 3)	
60 kHz	10 Hz	60.00 kHz	±(0.5% + 3)	
600 kHz	100 Hz	600.0 kHz	±(0.5% + 3)	
6 MHz	1 kHz	6.000 MHz	±(0.5% + 3)	
60 MHz	10 kHz	60.00 MHz	±(0.5% + 3)	

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DUTY CYCLE MEASUREMENT

Range	Resolution	Accuracy	Overload Protection
0.1%-98.9%	0.1%	±(0.5% + 30)	440V DC/AC RMS

Accuracy is specified at <20 VAC rms

Sensitivity : 10Hz to 100 kHz > 200mVrms,

1000 kHz to 10MHz > 2Vrms

Electromagnetic compatibility: In RF Field, overall accuracy is equal to 10% of reading +30 digits



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