



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 \pm 3 C, £ 55% RH humidity.

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

Temp. Coefficient = $(0.1\% \times \text{specified accuracy})$ 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.

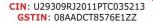
Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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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 $\mu A' & : 0.8 A/ 250V$ fast blow type ceramic fuse.

'mA' input terminal

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

input terminal

 $\Omega / / / / Hz(\%) : 440 V DC / AC rms$

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)	
60V	10 mV	60.00 V	±(0.25% + 3)	1050V DC/AC RMS
600V	100 mV	600.0 V	±(0.25% + 3)	1050V DC/AC RIVIS
1000V	1 V	1000 V	±(0.5% + 3)	

Note: 1. Input Impedance 10MΩapprox.

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

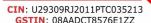
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AC Voltage (50-500Hz)Trms

Range	Resolution	Max. Reading	Accuracy	Overload protection
6V	1 mV	6.000 V	±(1% + 5)	
60V	10 mV	60.00 V	±(1% + 5)	1050V DC/AC RMS
600V	100 mV	600.0 V	±(1% + 5)	1050V DC/AC RIVIS
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
600μΑ/6000μΑ	0.1μΑ/1μΑ	600.0μΑ/6000μΑ	±(1.2% + 5)	0.8A/ 250V DC/AC fuse protection
60mA/600 mA	10μΑ/100μΑ	60.00mA/600.0 mA	±(1.5% + 5)	0.6A/ 250V DC/AC fuse protection
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
600μΑ/6000μΑ	0.1μΑ/1μΑ	600.0μΑ/6000μΑ	±(1.5% + 5)	0.8A/ 250V DC/AC fuse protection
60mA/600 mA	10μΑ/100μΑ	60.00mA/600.0 mA	±(1.8% + 5)	0.0AV 230V DO/AC luse protection
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)	
6 ΚΩ	1 Ω	6.000 Ω	±(0.5% + 3)	
60 KΩ	10 Ω	60.00 ΚΩ	±(0.5% + 3)	440V DC/AC rms
600 ΚΩ	100 Ω	600.0 ΚΩ	±(0.5% + 3)	440V DC/AC IIIS
6 MΩ	1 ΚΩ	6.000 MΩ	±(1% + 5)	
60 MΩ	10 ΚΩ	60.00 MΩ	±(3% + 10)	

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

- 2. Open circuit voltage on $6k\Omega$ - $6M\Omega$ ranges is -1.10V DC approx.
- 3. Open circuit voltage on $60M\Omega$ 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)	
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)	440V DC/AC RMS
60 µF	10 nF	60.00 μF	±(3.0% + 10)	440V DO/AC KINIS
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)	
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)	1000V DC/AC RMS
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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