

FOR THE FIRST TIME IN INDIA

GENERAL SPECIFICATIONS

Clamp jaw opening	2.0" (52mm) approx.
Display	Dual 4-3/4 Digits 40,000/4,000 count backlit LCD
Continuity check	Threshold 50Ω; Test current < 0.5mA
Diode test	Test current of 0.3mA typical; Open circuit voltage [2.8VDC typical]
Low Battery indication	Battery symbol is displayed
Over-range indication	'OL' display
Measurement rate	2 readings per second, nominal
Peak detector	>1ms
Max Min	Records Max / Min Values
Inrush Current	For Motor Current Measurement
Data Hold	To Freeze the displayed data
Non Contact Voltage Detector	Displays when near LIVE wire
Thermocouple sensor	Type K thermocouple required
Input Impedance	10MΩ (VDC and VAC)
AC bandwidth	50 to 400Hz (AAC and VAC)
AC response	True rms (AAC and VAC)
Crest Factor	3.0 in 40A and 400A ranges, 1.4 in 1000A range (50/60Hz and 5% to 100% of range)
Operating Temperature	5°C to 40°C (41°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Operating Humidity	Max 80% up to 31°C (87°F) decreasing linearly to 50% at 40°C (104°F)
Storage Humidity	<80%
Operating Altitude	7000ft. (2000meters) maximum.
Battery	One (1) 9V Battery (NEDA 1604)
Auto power OFF	After approx. 30 minutes
Dimensions & Weight	11.57x4.13x1.85" (294x105x47mm); 18.9 oz. (536g)
Safety	For indoor use and in accordance with the requirements for double insulation to IEC1010-1 (2001): EN61010-1 (2001) Over Voltage Category IV 600V and Category III 1000V, Pollution Degree 2.
Approvals	CE



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TECHNICAL SPECIFICATIONS

Function	Range & Resolution	Accuracy (% of reading)
DC Current	400.00 ADC	± (2.5% +30digits)
	1500.0 ADC	± (2.5% +30digits)
AC Current True RMS (50Hz to 60 Hz)	400.00 AAC	± (3% +50digits)
	1500.0 AAC	± (3% +50digits)
All AC voltage ranges are specified from 5% of range to 100% of range		
DC Voltage	400.00 mVDC	± (0.1% + 5 digits)
	4.0000VDC	± (0.1% + 4 digits)
	40.000 VDC	
	1000.0 VDC	± (0.5% + 4 digits)
AC Voltage True RMS (50 Hz to 1000 Hz)	400.0 mVAC	± (0.8% + 40 digits)(50/60Hz)
	4.000 VAC	± (1.0% + 30 digits)
	40.00 VAC	
	750 VAC	
All AC voltage ranges are specified from 5% of range to 100% of range		
Resistance	400.00 Ω	± (0.5% + 9 digits)
	4.0000KΩ	± (1.0% + 4 digits)
	40.000KΩ	
	400.00KΩ	± (2.0% + 30digits)
	4.0000MΩ	
	40.000MΩ	± (3.0% + 50 digits)
Capacitance	400.0nF	±(3.5% reading + 40digits)
	4000nF	±(3.5% reading + 10digits)
	40.00μF	
	400.0μF	±(3,5% reading + 20 digits)
	4.000mF	
	40.00mF	±(5% reading + 30 digits)
Frequency	40.000 Hz	±(0.3% reading + 2 digits) Sensitivity: 10Vrms min. 5kHz~15kHz:40Vrms min. @ 20% to 80% duty cycle
	400.00 Hz	
	4.0000KHz	
	40.000KHz	
	400.00KHz	
	4.0000MHz	
	40.000MHz	
	Sensitivity: 0.8V rms min. @ 20% to 80% duty cycle and <100kHz; 5Vrms min @ 20% to 80% duty cycle and > 100kHz.	
Duty Cycle	10.0 to 95.0%	±(0.5% reading + 2 digits)
	Pulse width: 100μs - 100ms, Frequency: 10Hz to 100kHz; Sensitivity:10Vrms min.	
Temp(type-K) (probe accuracy not included)	-100.0 to 1000.0°C	±(1.0% reading + 2.5 °C)
	-148.0 to 1832.0°F	±(1.0% reading + 4.5°F)

MAXIMUM OVERLOAD PROTECTION

Function	Maximum Input
A AC	1500A DC/AC
A DC	1500A DC/AC
V DC, V AC	1000V DC/AC
Resistance, Capacitance, Frequency, Diode Test	500V DC/AC
Type K Temperature	30V DC, 24V AC

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