

**OVERLOAD PROTECTION**

FUNCTION	MAXIMUM INPUT
A AC, A DC	1200A DC/AC
V DC, V AC	1000V DC/AC
Resistance, Capacitance, Frequency, Diode Test	600V DC/AC
Temperature	600V DC/ AC

**GENERAL SPECIFICATION**

- **Clamp jaw opening** : 2" (52mm) approx.
- **Display** : 3-3/4 digits (4000 counts) backlit LCD
- **Continuity check** : Buzzer sounds at less than  $(60\pm 30) \Omega$
- **Diode test** : Test current of 0.5mA typical;  
Open circuit voltage < 2VDC typical
- **Low Battery indication** : ' ' is displayed
- **Over-range indication** : 'OL' display
- **Measurement rate** : 2 readings per second, nominal
- **Peak** : Captures peaks >1ms
- **Data Hold** : Freezes Displayed Data
- **Relative Meas** : Measures a parameter with reference to a stored value
- **Temperature sensor** : Type K thermocouple
- **Input Impedance** : 10M $\Omega$  (VDC and VAC)
- **Operating Temperature** : 41°F to 104°F (5°C to 40°C)
- **Storage Temperature** : -4°F to 140°F (-20°C to 60°C)
- **Operating Humidity** : Max 80% up to 87°F (31°C) decreasing linearly to 50% at 104°F(40°C)
- **Storage Humidity** : <80%
- **Operating Altitude** : 7000ft. (2000meters) maximum.
- **Battery** : One (1) 9V Battery
- **Auto Range**
- **Auto power OFF** : After approx. 15 minutes
- **Dimensions & Weight**

**SAFETY**

For indoor use and in accordance with the requirements for double insulation to IEC1010-1 (2001); EN61010-1 (2001) Over voltage Category III 1000V and Category IV 600V, Pollution Degree 2.



\*Technical Specifications & Appearance are subject to change without prior notice

**TECHNICAL SPECIFICATION**

Function	Range	Accuracy (% of reading + digits)	Resolution
DC Voltage	400mV	± (1% + 3d)	0.1mV
	4V		1mV
	40V		10mV
	400V		100mV
	1000V		1V

- Input Impedance : 10MΩ
- Over rang protection : 1000VDC

Function	Range	Accuracy (% of reading + digits)	Resolution
AC Voltage T-RMS	4V	± (1.2% + 5d)	1mV
	40V		10mV
	400V		100mV
	1000V		1V

- Input Impedance : 10MΩ
- Over rang protection : 1000VAC T-RMS
- Frequency Response : 50Hz~400Hz

Function	Range	Accuracy (% of reading + digits)	Resolution
AC Current T-RMS	400A	± (3.0% + 3A)	100mA
	1200A	± (3.5% + 6d)	1A

- Over rang protection : Maximum input 1200A
- Frequency Response : 50Hz~60Hz

Function	Range	Accuracy (% of reading + digits)	Resolution
DC Current	400A	± (3.0% + 3A)	100mA
	1200A	± (3.5% + 6d)	1A

- Over rang protection : Maximum input 1200A

Function	Range	Accuracy (% of reading + digits)	Resolution
Resistance	400Ω	± (1.0% + 4d)	0.1Ω
	4kΩ		1Ω
	40kΩ		10Ω
	400kΩ	± (1.5% + 4d)	100Ω
	4MΩ		1kΩ
	40MΩ		10kΩ

- Over rang protection : 600V rms

**Frequency through test leads when meter is set to AC voltage**

Function	Range	Accuracy (% of reading + digits)
Frequency (Auto-ranging)	10Hz to 100kHz	±1.0% ±5 digits

- Input Protection : 1000VAC
- Sensitivity : >20mV AC

**Frequency through jaws when meter is set to AC current**

Function	Range	Accuracy (% of reading + digits)
Frequency (Auto-ranging)	40Hz to 1kHz	±1.0% ±5 digits

- Maximum Input : 1000A AC
- Sensitivity : >150A

Function	Range	Accuracy (% of reading + digits)	Resolution
Duty Cycle	(0.1% to 99.9%)	± (1.2% + 5d)	0.1%

- Over rang protection : 600V rms

Function	Range	Accuracy (% of reading + digits)	Resolution
Temperature	(-20 to 1000°C)	± (3.0% + 5°C)	0.1°C
	(-4 to 1832°F)	± (3.0% + 9°F)	0.1°F

- Sensor: K Type banana Plug
- Over rang protection : 600V rms

Function	Range	Accuracy (% of reading + digits)	Resolution
Peak of AC Current	400A	± (4.0% + 5d)	100mA
	1200A		1A

- Frequency Response : 50Hz~60Hz

Function	Range	Accuracy (% of reading + digits)	Resolution
Capacitance	4nF	± (5.0% + 10d)	1pF
	40nF		0.01 nF
	400nF		0.1nF
	4μF		1nF
	40μF		0.01μ
	400μF		0.1μF

- Over rang protection : 600V rms

Function	Testing Condition	Resolution
Diode	Forward DCA is approx.0.5mA, backward Voltage is approx. 2V	Forward voltage drop of Diode
Continuity	Open voltage is approx.0.5V	Buzzer makes a long sound, While resistance is less than (60±30Ω)

- Over rang protection : 600V rms

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