

### GENERAL SPECIFICATIONS

- Display** 3 ½ digit, 2000 count Backlit LCD, 1.1" digits
- Data Hold** To Freeze the displayed data
- Overrange indication** "1" is displayed
- Polarity** Automatic (no indication for positive polarity); Minus (-) sign for negative polarity.
- Measurement Rate** 2 times per second, nominal
- Low Battery Indication** "BAT" is displayed if battery voltage drops below operating voltage
- Battery** one 9 volt (NEDA 1604) battery
- Fuses** mA,  $\mu$ A ranges; 0.2A/250V fast blow A range; 10A/250V fast blow
- Operating Temperature** 32°F to 122°F (0°C to 50°C)
- Storage Temperature** -4°F to 140°F (-20°C to 60°C)
- Relative Humidity** <70% operating, <80% storage
- Operating Altitude** 7000ft. (2000) meters maximum.
- Weight** 255g
- Size** 150mm x 70mm x 48mm
- Safety** For indoor use and in accordance with Overvoltage Category II, Pollution Degree 2. Category II includes local level, appliance, portable equipment, etc., with transient overvoltages less than Overvoltage Category III.



### OVER RANGE PROTECTION

#### Input Limits

Function	Maximum Input
VAC	600V DC/AC
V DC or V AC	600V DC/AC, 200Vrms on 200mV range
mA DC	200mA 250V fast acting fuse
A DC	10A 250V fast acting fuse
Resistance, Continuity	(30 seconds max every 15 minutes) 600Vrms for 15sec max

- Diode Test** Test current of 1mA maximum, open circuit voltage 2.8V DC typical
- Continuity Check** Audible signal will sound if the resistance is less than approximately 30 $\Omega$
- Battery Test current** 9V (6mA); 1.5V (100mA)
- Input Impedance** >1M $\Omega$
- ACV Bandwidth** 45Hz to 450Hz
- DCA voltage drop** 200mV

**NOTE:** Accuracy specifications consist of two elements:

- (% reading) – This is the accuracy of the measurement circuit.
- (+ digits) – This is the accuracy of the analog to digital converter.

**NOTE:** Accuracy is stated at 65°F to 83°F (18°C to 28°C) and less than 75% RH.

### TECHNICAL SPECIFICATIONS.

Function	Range	Resolution	Accuracy
DC Voltage (V DC)	200mV	0.1mV	$\pm$ (0.5% reading + 2 digits)
	2000mV	1mV	
	20V	0.01V	
	200V	0.1V	$\pm$ (0.8% reading + 2 digits)
	600V	1V	
AC Voltage (V AC)	200V	0.1V	$\pm$ (1.2% reading + 10 digits 50/60Hz)
	600V	1V	
DC Current (A DC)	2000 $\mu$ A	1 $\mu$ A	$\pm$ (1.0% reading + 2 digits)
	20mA	10 $\mu$ A	
	200mA	100 $\mu$ A	$\pm$ (1.2% reading + 2 digits)
Resistance	10A	10mA	$\pm$ (2.0% reading + 2 digits)
	200 $\Omega$	0.1 $\Omega$	$\pm$ (0.8% reading + 2 digits)
	2000 $\Omega$	1 $\Omega$	
	20k $\Omega$	0.01k $\Omega$	
	200k $\Omega$	0.1k $\Omega$	
2000k $\Omega$	1k $\Omega$	$\pm$ (1.0% reading + 2 digits)	
Battery Test	9V	10mV	$\pm$ (1.0% reading + 2 digits)
	1.5V	1mV	