

Input Limits	
Function	Maximum Input
AAC	400A
V DC, V AC	600V DC/AC
Frequency, Resistance, Diode, Continuity, Capacitance Test	600V DC/AC
Temperature (°C/°F)	600V DC/AC

GENERAL SPECIFICATIONS

Clamp size	Opening 1.2" (30mm) approx
Diode Test	Test current of 0.3mA typical; Open circuit voltage 1.5V DC typical.
Continuity Check	Threshold <150Ω; Test current < 0.5mA
Low Battery Indication	"  " is displayed
Overrange Indication	"OL" is displayed
Measurements Rate	2 per second, nominal
Input Impedance	10MΩ (VDC and VAC)
Display	4000 counts LCD, 3-3/4 Digits
AC Current	50-60Hz (AAC)
AC Voltage bandwidth	50-400Hz (VAC)
Operating Temperature	41 to 104°F (5 to 40°C)
Storage Temperature	-4 to 140°F (-20 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.
Over voltage	Category III 600V
Battery	Two "AAA" 1.5V Battery
Auto OFF	approx. 30 minutes
Dimensions/Weight	200x66x37mm/205g
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 Cat. III
Non-contact voltage detector	Glow when near live conductor

TECHNICAL SPECIFICATIONS

Function	Range & Resolution	Accuracy (% of reading)
AC Current (50/60Hz)	40.00 AAC	± (2.5 % + 8 digits)
	400 .0AAC	± (2.8 % + 5 digits)
DC Current	40.00 ADC	± (2.5 % + 5 digits)
	400 .0ADC	± (2.8 % + 5 digits)
DC Voltage	400.0 mVDC	± (0.8% + 2 digits)
	4.000 VDC	± (1.5% + 2digits)



Function	Range & Resolution	Accuracy (% of reading)
	40.00 VDC	$\pm (2 \% + 2 \text{ digits})$
	400.0 VDC	
	600.0 VDC	
AC Voltage (50-400Hz)	4.000 VAC	$\pm (1.5\% + 5 \text{ digits})$
	40.00 VAC	
	400.0 VAC	
	600.0 VAC	$\pm (2.0\% + 5 \text{ digits})$
Resistance	400.0 Ω	$\pm (1.0\% + 4 \text{ digits})$
	4.000K Ω	$\pm (1.5\% + 2 \text{ digits})$
	40.00K Ω	
	400.0K Ω	
	4.000M Ω	$\pm (2.5\% + 3 \text{ digits})$
	40.00M Ω	$\pm (3.5\% + 5 \text{ digits})$
Capacitance	40.00nF	$\pm(4.0\% \text{ reading} + 20 \text{ digits})$
	400.0nF	$\pm(3\% \text{ reading} + 5 \text{ digits})$
	4.000 μ F	
	40.00 μ F	
	100.0 μ F	$\pm(4.0\% \text{ reading} + 10 \text{ digits})$
Frequency	10-10kHz	$\pm(1.5\% \text{ reading} + 2 \text{ digits})$
Sensitivity:15Vrms		
Temp (type-K)	-20.0 to 760.0°C	$\pm (3\% \text{rdg} + 5^{\circ}\text{C})$
(probe accuracy not included)	-4.0 to 1400.0°F	$\pm (3\% \text{rdg} + 9^{\circ}\text{F})$