

TECHNICAL SPECIFICATIONS

Function	Range & Resolution	Accuracy (% of reading)
DC Current	4.000 A DC	± (2.8% + 10 digits)
	80.0 A DC	± (3% + 8 digits)
AC Current (50/60Hz)	4.000 A AC	± (3.0% + 10digits)
	80.0A AC	± (3.0% + 8 digits)
DC Voltage	400.0 mV DC	± (1.0% + 15 digits)
	4.000 V DC	± (1.0% + 3 digits)
	40.00 V DC	± (1.5% + 3 digits)
	400.0 V DC	± (2.0% + 3 digits)
AC Voltage (50/60Hz)	400.0 mV AC	± (1.0% + 30 digits)
	4.000 V AC	± (2.0% + 5 digits)
	40.00 V AC	
	400.0 V AC	
600 V AC	± (2.0% + 5 digits)	
Resistance	400.0 Ω	± (1.0% + 4 digits)
	4.000KΩ	± (1.5% + 2 digits)
	40.00KΩ	
	400.0KΩ	
	4.000MΩ	± (2.5% + 3 digits)
40.00MΩ	± (3.5% + 5 digits)	
Capacitance	40.00nF	±(5.0% reading + 30digits)
	400.0nF	±(3.0% reading + 5 digits)
	4.000μF	±(3.5% reading + 5 digits)
	40.00μF	
	100.0μF	±(5.0% reading + 5 digits)
Frequency	5.000Hz	±(1.5% reading + 5 digits)
	50.00Hz	±(1.2% reading + 2 digits)
	500.0Hz	
	5.000kHz	Sensitivity: 10Vrms min. @ 20% to 80% duty cycle
	50.00kHz	
	500.0kHz	
	5.000MHz	
10.00MHz		
Duty Cycle	0.5 to 99.0%	±(1.2% reading + 2 digits)
Pulse width: 100μs - 100ms, Frequency: 5Hz to 150kHz; Sensitivity: 10Vrms min.		
Analog output: (for ACA & DCA range), 10mV/Amp (20KHz at ±3dB) Accuracy: ± (4.5% reading + 1mV), Output impedance: approx 3KΩ		

GENERAL SPECIFICATIONS

Input Limits	
Function	Maximum Input
AAC, A DC	80A
V DC, V AC	600V DC/AC
Resistance, Diode Continuity, Frequency, Duty Cycle, Capacitance Test	250V DC/AC

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




Clamp size Diode Test

Opening 0.9" (23mm) approx
Test current of 0.3mA typical;
Open circuit voltage 1.5V DC typical

Continuity Check

Threshold <150Ω;
Test current < 1mA

Low Battery Indication

" " is displayed

Overrange Indication

"OL" is displayed

Measurements Rate

2 per second, nominal

Input Impedance

7.8 MΩ (VDC and VAC)

Display

3 1/2 Digits, 4000 counts Backlit LCD

Operating Temperature

14 to 122°F (-10 to 50°C)

Storage Temperature

-22 to 140°F (-30 to 60°C)

Relative Humidity

90% (0°C to 30°C); 75% (30°C to

Altitude Operating

3000m; Storage 10,000m

Operating Altitude

7000 ft. (2000 meters) maximum.

Over voltage

Category III 600V

Battery

Two 1.5V "AAA" Batteries

Auto OFF

Approx. 30 minutes

Dimensions/Weight

200 x 50 x 35 mm / 200g

Data hold to freeze the displayed data

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