



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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1000A Clamp Meters with IR Thermometers

Clamp-on multimeter with built-in non-contact InfraRed Thermometer

Ideal for industrial applications the 800 series Full size 1000A clamps feature a built-in Infrared thermometer and rugged double molded housing.

EX800 Series Features:

- Non-contact InfraRed Temperature measurements with laser pointer
- Models with True RMS Current and Voltage measurements
- Peak hold captures inrush currents and Transients
- MultiMeter functions include AC/DC Voltage, Resistance, Capacitance, Frequency, Type K Temperature (EX820/EX830), Diode, and Continuity
- 1.7" (43mm) jaw opening for conductors up to 750MCM or two 500MCM
- 4000 count backlit display
- Features include Data Hold and Min/Max
- Autoranging with manual range button
- Auto Power off
- Complete with test leads, 9V battery, general purpose Type K probe (EX820/EX830), and case

Model EX810

- AC Current
- Average responding

Model EX820

- AC Current
- True RMS
- Type K thermometer

Model EX830

- DC/ AC Current
- True RMS
- Type K thermometer
- DC Zero



BUILT IN IR Thermometer



True RMS meter gives you accurate readings of non-sinusoidal waveforms.



Built-in IR Thermometer with laser pointer is an excellent troubleshooter for locating hot spots and overheating motors.

Specifications	EX810	EX820	EX830	Basic Accuracy
IR Temperature (IR)	-58 to 518°F -50 to 270°C	-58 to 518°F -50 to 270°C	-58 to 518°F -50 to 270°C	±2.0% rdg or ±4°F/±2°C
AC Current	0.1 to 1000A	0.1 to 1000A	0.1 to 1000A	±2.8% (EX810); ±2.5% (EX820, EX830)
DC Current	—	—	0.1 to 1000A	±2.5%
AC Voltage	0.1mV to 600V	0.1mV to 600V	0.1mV to 600V	±1.8% (EX810); ±1.5% (EX820, EX830)
DC Voltage	0.1mV to 600V	0.1mV to 600V	0.1mV to 600V	±1.5%
Resistance	0.1 to 40MΩ	0.1 to 40MΩ	0.1 to 40MΩ	±1.5%
Capacitance	0.001nF to 40,000μF	0.001nF to 40,000μF	0.001nF to 40,000μF	±3.0%
Frequency	0.001kHz to 4kHz	0.001kHz to 4kHz	0.001kHz to 4kHz	±1.5%
Type K Temperature	—	-4 to 1400°F -20 to 760°C	-4 to 1400°F -20 to 760°C	±(3%rdg+9°F/5°C)
Continuity	Yes	Yes	Yes	
Inrush	Yes	Yes	Yes	
Diode	Yes	Yes	Yes	
Dimensions	0.6x4.3x2" (270x110x50mm)	10.6x4.3x2" (270x110x50mm)	10.6x4.3x2" (270x110x50mm)	
Weight	13.6oz (386g)	13.6oz (386g)	13.6oz (386g)	

Ordering Information:

- EX8101000A AC Clamp/DMM+IR Thermometer
 EX810-NISTL*1000A AC Clamp/DMM+IR Thermometer w/ Calibration Traceable to NIST
 EX8201000A AC True RMS Clamp/DMM+IR Thermometer
 EX820-NISTL*1000A AC True RMS Clamp/DMM+IR Thermometer w/ Calibration Traceable to NIST
 EX8301000A AC/DC True RMS Clamp/DMM+IR Thermometer
 EX830-NISTL*1000A AC/DC True RMS Clamp/DMM+IR Thermometer w/ Calibration Traceable to NIST

*NISTL is a Limited NIST: Product is certified to all functions except IR Thermometer

