



PRODUCT DATASHEET

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 Infared 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

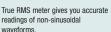
- AC Current
- True RMS
- Type K thermometer

Model EX830

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











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

Specifications	EX810	EX820	EX830	Basic Accuracy
IR Temperature (IR)	-58 to 518°F	-58 to 518°F	-58 to 518°F	±2.0% rdg or
	-50 to 270°C	-50 to 270°C	-50 to 270°C	±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 $40M\Omega$	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	-4 to 1400°F	±(3%rdg+9°F/5°C)
		-20 to 760°C	-20 to 760°C	
Continuity	Yes	Yes	Yes	
Inrush	Yes	Yes	Yes	
Diode	Yes	Yes	Yes	
Dimensions	0.6x4.3x2"	10.6x4.3x2"	10.6x4.3x2"	
	(270x110x50mm)	(270x110x50mm)	(270x110x50mm)	
Weight	13.6oz (386g)	13.6oz (386g)	13.6oz (386g)	

Ordering Information:

.....1000A 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

EX830.......1000A 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



