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

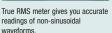
- AC Current
- True RMS
- Type K Temperature

#### Model EX830

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











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

EX810	EX820	EX830	Basic Accuracy
-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
0.1 to 1000A	0.1 to 1000A	0.1 to 1000A	±2.8% (EX810);
			±2.5% (EX820, EX830)
_	_	0.1 to 1000A	±2.5%
0.1mV to 600V	0.1mV to 600V	0.1mV to 600V	±1.8% (EX810);
			±1.5% (EX820, EX830)
0.1mV to 600V	0.1mV to 600V	0.1mV to 600V	±1.5%
0.1 to $40M\Omega$	0.1 to $40M\Omega$	0.1 to $40M\Omega$	±1.5%
0.001nF to 40,000µF	0.001nF to 40,000µF	0.001nF to 40,000μF	±3.0%
0.001kHz to 4kHz	0.001kHz to 4kHz	0.001kHz to 4kHz	±1.5%
_	-4 to 1400°F	-4 to 1400°F	±(3%rdg+9°F/5°C)
	-20 to 760°C	-20 to 760°C	
Yes	Yes	Yes	
Yes	Yes	Yes	
Yes	Yes	Yes	
0.6x4.3x2"	10.6x4.3x2"	10.6x4.3x2"	
(270x110x50mm)	(270x110x50mm)	(270x110x50mm)	
13.6oz (386g)	13.6oz (386g)	13.6oz (386g)	
	-58 to 518°F -50 to 270°C 0.1 to 1000A 0.1mV to 600V 0.1mV to 600V 0.1 to 40MΩ 0.001nF to 40,000μF 0.001kHz to 4kHz Yes Yes 9.6x4.3x2" (270x110x50mm)	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

## **Ordering Information:**

.....1000A AC Clamp/DMM+IR Thermometer

EX810-NISTL\* ....1000A AC Clamp/DMM+IR Thermometer w/ Calibration Traceable to NIST

EX820 ......1000A 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





