

# 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
- 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, 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, and case

### Model EX820

- AC Current
- True RMS
- Type K thermometer

### Model EX830

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



EX830

EX820

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

## Ordering Information:

**EX820** .....1000A AC True RMS Clamp/DMM+IR Thermometer  
**EX820-NISTL\***..EX820 with Limited NIST for Certificate of Traceability

**EX830** .....1000A AC/DC True RMS Clamp/DMM+IR Thermometer  
**EX830-NISTL\***..EX830 with Limited NIST for Certificate of Traceability

\*NISTL - Limited NIST for Certificate of Traceability to all functions except IR Thermometer

