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Jameco Part Number 1585881

1000A Clamp Meters with IR Thermometers

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

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, Diode, and Continuity
- 1.7" (43mm) jaw opening for conductors up to 750MCM or two 500MCM
- 4000 count backlit dual display
- Features include Data Hold and Min/Max
- Autoranging with manual range button
- Auto Power off
- Complete with test leads, 9V battery, Type K probe (-4 to 482°F/-20 to 250°C) for EX820/EX830, and case

Built-in **IR Thermometer**



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



Model EX810

- AC Current
- Average responding

Model EX820

- AC Current
- True RMS
- Type K thermometer

Model EX830

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



CAT III - 600V

Patent Pending

Specifications	EX810	EX820	EX830	Basic Accuracy
IR Temperature	-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	2.0% (EX810) 2.5% (EX820) 2.8% (EX830)
DC Current	—	—	0.1 to 1000A	±2.8%
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	±2.8% (EX830)
Resistance	0.1 to 40M	0.1 to 40M	0.1 to 40M	±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	10.6x4.3x2" (270x110x50mm)			
Weight:	13.6oz (386g)			

Ordering Information:

EX8101000A AC Clamp/DMM+IR Thermometer

EX810-NISTL* 1000A AC Clamp/DMM+IR Thermometer w/NIST Cert.

EX8201000A AC True RMS Clamp/DMM+IR Thermometer

EX820-NISTL* 1000A AC True RMS Clamp/DMM+IR Thermometer w/NIST Cert.

EX8301000A AC/DC True RMS Clamp/DMM+IR Thermometer

EX830-NISTL* 1000A AC/DC True RMS Clamp/DMM+IR Thermometer w/NIST Cert.

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

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