

EX8xxA Series 1000 A Clamp Meters with IR Thermometer



Clamp meters with built-in non-contact infrared thermometer

The EX8xxA Series of CAT-IV 600 V True RMS clamp meters stand out with their built-in IR thermometer and laser pointer for non-contact temperature surface measurements. Packed with advanced features such as Low Impedance Mode (LoZ) to prevent false readings from ghost voltages, and a Low Pass Filter for precise measurement in electrically noisy equipment, these meters also include an inrush current feature to capture start-up current. The ergonomically designed double-molded housing offers a better grip for one-hand operation. Ideal for electricians, electrical contractors, and plant maintenance professionals.

EX8xxA Series Features

- Built-in IR thermometer for non-contact temperature measurements
- True RMS current and voltage measurements
- · Peak hold captures inrush currents and transients
- · CAT IV-600 V safety rating
- Multimeter functions include resistance, capacitance, frequency, Type K temperature, diode, and continuity
- 43 mm (1.7 in) jaw opening for conductors up to 750 MCM or two 500 MCM
- · Low Pass Filter to ensure accurate readings in electrically noisy environments
- · Low Impedance Mode (LoZ) to prevent false readings caused by ghost voltages
- · 6000 count backlit LCD display
- · Auto power off

Model EX820A

- AC Current
- True RMS

Model EX840A

- AC/DC Current
- · True RMS
- Includes 8-piece industrial test lead kit, Type K bead wire, and 9 V battery

See next page for product specifications and ordering information



Built-in IR thermometer with laser pointer for locating hot spots and overheating motors.







Model	EX820A	EX840A
Туре	AC only	AC+DC
True RMS	True RMS	True RMS
Display Counts	6000	6000
Jaw Size	43 mm (1.7 in)	43 mm (1.7 in)
AC Current	0.1 A to 1000 A	0.1 A to 1000 A
DC Current	_	0.1 A to 1000 A
Basic ACA Accuracy	$\pm (2.5\% + 8d)$	$\pm (2.5\% + 8d)$
AC Voltage	0.1 mV to 1000 V	0.1 mV to 1000 V
DC Voltage	0.1 mV to1000 V	0.1 mV to 1000 V
Resistance	0.1 Ω to 60 M Ω	0.1 Ω to 60 M Ω
Capacitance	0.001 nF to 40 mF	0.001 nF to 40 mF
Frequency	0.001 Hz to 100 kHz	0.001 Hz to 100 kHz
Type K Temperature	-20°C to 760°C (-4°F to 1400°F)	-20°C to 760°C (-4°F to 1400°F)
Infrared Temperature	-50°C to 270°C (-58°F to 518°F)	-50°C to 270°C (-58°F to 518°F)
Distance to Spot Ratio	8:1	8:1
Peak Hold	Yes	Yes
Inrush	Yes	Yes
LoZ	Yes	Yes
Low Pass Filter	Yes	Yes
Safety Category	CAT IV-600 V	CAT IV-600 V
Operating Temperature	0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F)
Dimensions	270 mm × 110 mm × 50 mm	270 mm × 110 mm × 50 mm
	$(10.5 \text{ in} \times 4.3 \text{ in} \times 2.0 \text{ in})$	$(10.5 \text{ in} \times 4.3 \text{ in} \times 2.0 \text{ in})$
Weight	362 g (12.77 oz)	396 g (14 oz)
Warranty	2 years	2 years

Ordering

UPC Code	Description
793950398227	1000A True RMS AC Clamp Meter with IR
793950398234	1000A True RMS AC Clamp Meter with IR and NIST
793950398241	1000A AC Clamp Meter with IR and Limited NIST
793950398425	1000A True RMS AC/DC Clamp Meter with IR
193950398432	1000A True RMS AC/DC Clamp Meter with IR and NIST
793950398449	1000A AC/DC Clamp Meter with IR and Limited NIST
	793950398227 793950398234 793950398241 793950398425 193950398432

