



PRODUCT DATASHEET

# **800A Clamp Meter**

### Full Featured Professional Clamp Meter

With an ergonomically designed double molded housing for one-handed operation and comfort

## **EX700 Series Features:**

- Models with AC/DC Current, AC/DC Voltage, Resistance, Frequency, Capacitance, Temperature, Diode, and Continuity
- True RMS Models (EX720, EX730)
- · Peak function captures inrush currents and voltage transients
- Data Hold "freezes" data in display
- 1.2" (30mm) circular jaw opening for large cables (500MCM)
- Auto power off
- Complete with test leads, 9V battery, general purpose Type K bead wire probe and belt holster

#### Model EX710

AC Current

#### Model EX720

- AC Current
- True RMS
- Type K Temperature °F/°C switchable

#### Model EX730

- AC/DC Current
- True RMS
- Type K Temperature °F/°C switchable
- DC Zero





True RMS Clamp meter gives you accurate readings of nonsinusoidal waveforms

Complete with test leads, 9V battery, belt holster and general purpose Type K bead wire probe (EX720/EX730

Specifications  EX710  EX720  EX730  Basic Accuracy    AC Current  0.01 to 800A  0.01 to 800A  0.01 to 800A  ±2.8% (EX710) ±2.5% (EX720, EX730)    DC Current  -  -   0.1 to 800A  ±2.5%    AC Voltage  0.1mV to 600V  0.1mV to 800A  ±2.5%    DC Current  -  -   0.1 to 800A  ±2.5%    AC Voltage  0.1mV to 600V  0.1mV to 600V  ±1.5% (EX720, EX730)  ±1.5% (EX720, EX730)    DC Voltage  0.1mV to 600V  0.1mV to 600V  ±1.5% (EX720, EX730)  ±1.5%    DC Voltage  0.1mV to 600V  0.1mV to 600V  ±1.5% (EX720, EX730)  ±1.5%    Resistance  0.1 to 40MΩ  0.1 to 40MΩ  0.1 to 40MΩ  ±1.5%  ±1.5%    Resistance  0.01 to 4kHz  0.001 to 4kHz  0.001 to 4kHz  ±1.5%  ±3.0%    Frequency  0.001 to 4kHz  0.001 to 4kHz  0.001 to 4kHz  ±1.5%  ±1.5%    Temperature  -  -  -4 to 1400°F  ±4 (3m/dg + 9°F/5°C)  ±2 to 760°C					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	X100				
ΔC Current   ✓ 0.1 to 800A  ±2.5% (EX720, EX730)    DC Current   ✓ 0.1 to 800A  ±2.5%    AC Voltage  0.1mV to 600V  0.1mV to 600V  ±1.5% (EX720, EX730)    DC Voltage  0.1mV to 600V  0.1mV to 600V  ±1.5% (EX720, EX730)    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  0.001 to 4kHz  0.001 to 4kHz  ±1.5%    Temperature   ✓-4 to 1400°F  ✓-4 to 1400°F  ±3.0%    (Type K)  -20 to 760°C  -20 to 760°C  -20 to 760°C  -20 to 760°C    Continuity  Yes  Yes  Yes  Yes  Yes    Diode  Yes  Yes  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)  9x3.1x1.9" (229x80x49mm)  Xed 49mm)	Specifications	EX710	EX720	EX730	Basic Accuracy
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	AC Current	0.01 to 800A	0.01 to 800A	0.01 to 800A	
b  ±1.5% (EX720, EX730)    DC Voltage  0.1mV to 600V  0.1mV to 600V  ±1.5%    Resistance  0.1 to 40MΩ  0.1 to 40MΩ  0.1 to 40MΩ  ±1.5%    Capacitance  0.001nF to 40,000µF  0.001nF to 40,000µF  ±3.0%    Frequency  0.001 to 4kHz  0.001 to 4kHz  ±1.5%    Temperature  -  ✓-4 to 1400°F  ✓-4 to 1400°F  ±(3%rdg+9°F/5°C)    (Type K)  -20 to 760°C  -20 to 760°C  -20 to 760°C  20 to 760°C    Inrush  Yes  Yes  Yes  Yes  Imush  Yes    Diode  Yes  Yes  Yes  Yes  Yes  Diode  Yes  Diode  Yes	DC Current	—	—	✓ 0.1 to 800A	±2.5%
Resistance  0.1 to 40MΩ  0.1 to 40MΩ  0.1 to 40MΩ  ±1.0%    Capacitance  0.001nF to 40,000µF  0.001nF to 40,000µF  0.001nF to 40,000µF  ±3.0%    Frequency  0.001 to 4kHz  0.001 to 4kHz  0.001 to 4kHz  ±1.5%    Temperature  -  ✓-4 to 1400°F  ✓-4 to 1400°F  ±(3%rdg+9°F/5°C)    (Type K)  -  20 to 760°C  -20 to 760°C  -20 to 760°C    Continuity  Yes  Yes  Yes  Nes    Inrush  Yes  Yes  Yes  Yes    Diode  Yes  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)  9x3.1x1.9" (229x80x49mm)	AC Voltage	0.1mV to 600V	0.1mV to 600V	0.1mV to 600V	( )
Capacitance  0.001nF to 40,000µF  0.001nF to 40,000µF  0.001nF to 40,000µF  ±3.0%    Frequency  0.001 to 4kHz  0.001 to 4kHz  0.001 to 4kHz  ±1.5%    Temperature   ✓-4 to 1400°F  ✓-4 to 1400°F  ±3%/dg+9°F/5°C)    (Type K)  -20 to 760°C  -20 to 760°C  -20 to 760°C    Continuity  Yes  Yes  Yes    Inrush  Yes  Yes  Yes    Diode  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)  9x3.1x1.9" (229x80x49mm)	DC Voltage	0.1mV to 600V	0.1mV to 600V	0.1mV to 600V	±1.5%
Frequency  0.001 to 4kHz  0.001 to 4kHz  0.001 to 4kHz  ±1.5%    Temperature   -  -  4 to 1400°F  ±4 to 1400°F  ±(3%rdg+9°F/5°C)    (Type K)  -20 to 760°C  -20 to 760°C  -20 to 760°C  -20 to 760°C    Continuity  Yes  Yes  Yes  Yes    Inrush  Yes  Yes  Yes    Diode  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)  9x3.1x1.9" (229x80x49mm)	Resistance	0.1 to 40MΩ	0.1 to 40MΩ	0.1 to 40MΩ	±1.0%
Temperature     to 1400°F   to 1400°F  ±(3%rdg+9°F/5°C)    (Type K)    20 to 760°C 20 to 760°C 20 to 760°C    Continuity  Yes  Yes  Yes  Yes    Inrush  Yes  Yes  Yes  Yes    Diode  Yes  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)  9x3.1x1.9" (229x80x49mm)  Yes	Capacitance	0.001nF to 40,000µF	0.001nF to 40,000µF	0.001nF to 40,000µF	±3.0%
Crype K )  -20 to 760°C  -20 to 760°C    Continuity  Yes  Yes  Yes    Inrush  Yes  Yes  Yes    Diode  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)  9x3.1x1.9" (229x80x49mm)	Frequency	0.001 to 4kHz	0.001 to 4kHz	0.001 to 4kHz	±1.5%
Continuity  Yes  Yes  Yes    Inrush  Yes  Yes  Yes    Diode  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)  9x3.1x1.9" (229x80x49mm)	Temperature	_	✓-4 to 1400°F	✓-4 to 1400°F	±(3%rdg+9°F/5°C)
Inrush  Yes  Yes  Yes    Diode  Yes  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)  9x3.1x1.9" (229x80x49mm)  9x3.1x1.9"	(Type K)			-20 to 760°C	-20 to 760°C
Diode  Yes  Yes  Yes    Dimensions  9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)	Continuity	Yes	Yes	Yes	
Dimensions 9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)	Inrush	Yes	Yes	Yes	
	Diode	Yes	Yes	Yes	
Weight 10.7 oz (303g) 10.7 oz (303g) 10.7 oz (303g)	Dimensions	9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm) 9x3.1x1.9" (229x80x49mm)			
	Weight	10.7 oz (303g)	10.7 oz (303g)	10.7 oz (303g)	

## **Ordering Information:**

	800A AC Clamp Meter EX710 with Calibration Traceable to NIST
EX720	800A True RMS AC Clamp Meter
EX720-NIST	EX720 with Calibration Traceable to NIST
EX730	800A True RMS AC/DC Clamp Meter
EX730-NIST	EX730 with Calibration Traceable to NIST

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