

Clamp Meter Index Guide

Pick the right Clamp Meter for your application



Compact Clamp Series
Compact, capable and affordable Clamp Meters are ideal for tight areas. Features range from built-in NCV detection to Autoranging. Ideal for DIYers, mechanics and technicians.
p. 26-31

Mini Clamp Series
Extra-small jaw size clamps for reaching into tight areas while providing high resolution and low-current sensitivity. Choice of Averaging or True RMS models.
p. 29-31

Open Jaw Clamps
Open jaw design provides quick current measurements in tight locations without breaking the circuit.
p. 27

EX600 HVAC Series
Best-in-class multifunctional Clamp Meters. 400A AC/DC True RMS with dual Type K thermocouple input for differential temperature measurements. Built-in Non-Contact Voltage Detector and multimeter functions plus advanced model with built-in IR Thermometer for surface temperatures.
p. 25

EX800 Series
Professional grade, 1000A True RMS AC or AC/DC Clamp Meters with built-in non-contact IR Thermometer. Models available with CAT IV rating for measurements in high current/voltage areas, plus Bluetooth connectivity to Android mobile devices.
p. 23

High Current Clamp Series
Powerful clamp meters that measure high current with models that go up to 3000A. Large jaw sizes from 2" (5cm) to 18" (45.7cm) flex clamps. Choose from AC or AC/DC measurements, power quality diagnostics, True RMS accuracy, and much more.
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Look for this symbol: **N** indicating products that are available with optional calibration traceable to NIST. See complete listing on p. 160-165.



Watch the Video
www.extech.com/video

EX850 Monitor Readings via Bluetooth®

Clamp meter transmits readings to Android smartphones and tablets. View key electrical readings taken by the EX850 at a safe distance on your Android device. Power up equipment from remote switches or use your Android to show readings to a customer/manager. Download the Extech ExView™ EX850 App at play.google.com.

ACCESSORIES (SEE P. 36-37 FOR TEST LEAD ACCESSORIES)

TP873	Replacement Bead wire Temperature probe (-22 to 572°F/-30 to 300°C)	\$15.99
TL803	Standard Test Leads	\$8.99

SPECIFICATIONS	EX820 N	EX830 N	EX840 N ▲ EX850
True RMS	Yes	Yes	Yes
Display counts	4000 count backlit LCD	4000 count backlit LCD	4000 count backlit LCD
Jaw size/Cable size	1.7" (43mm); 750MCM	1.7" (43mm); 750MCM	1.7" (43mm); 750MCM
AC Current (Max Res.)	1000A (0.1A)	1000A (0.1A)	1000A (0.1A)
DC Current (Max Res.)	—	1000A (0.1A)	1000A (0.1A)
Basic ACA Accuracy (% rdg)	±2.5% (AC)	±2.5% (AC); ±2.5% (DC)	±2.5% (AC); ±2.5% (DC)
AC/DC Voltage (Max Res.)	600V (0.1mV)	600V (0.1mV)	1000V (0.1mV)
Resistance (Max Res.)	40MΩ (0.1Ω)	40MΩ (0.1Ω)	40MΩ (0.1Ω)
Capacitance (Max Res.)	40mF (0.001nF)	40mF (0.001nF)	40mF (0.001nF)
Frequency (Max Res.)	4kHz (1Hz)	4kHz (1Hz)	4kHz (1Hz)
Temperature (Type K)	-4 to 1400°F (-20 to 760°C)	-4 to 1400°F (-20 to 760°C)	-4 to 1400°F (-20 to 760°C)
Temperature (IR)/ Field of View	-58 to 518°F (-50 to 270°C)/ 8:1 ratio	-58 to 518°F (-50 to 270°C)/ 8:1 ratio	-58 to 518°F (-50 to 270°C)/ 8:1 ratio
Diode (2.8V)/ Continuity	Yes	Yes	Yes
Wireless Communication	—	—	■ No ▲ Bluetooth
UL, ETL, CE, Category Rating	UL, CE, CAT III-600V	UL, CE, CAT III-600V	ETL, CE, CAT IV-600V; CAT III-1000V
Dimensions/Weight	10.6x4.3x2" (270x110x50mm)/ 13.6oz (386g)	10.6x4.3x2" (270x110x50mm)/ 13.6oz (386g)	10.6x4.3x2" (270x110x50mm)/ 13.6oz (386g)
Warranty	1 year	1 year	3 years
Price	\$179.99	\$219.99	■ \$259.99 ▲ \$299.99



EX820 1000A True RMS AC Clamp Meter + IR Thermometer

True RMS AC clamp-on multimeter gives you accurate readings of non-sinusoidal waveforms

- True RMS AC Voltage and Current measurements provide accurate readings regardless of waveforms
- Built-in non-contact IR Thermometer design with laser pointer for locating hot spots
- Diode open circuit voltage of 2.8V DC
- Peak hold captures transients
- Data Hold, Min/Max, and Auto Power off
- Complete with test leads, 9V battery, general purpose Type K probe, and case



EX830 1000A True RMS AC/DC Clamp Meter + IR Thermometer

True RMS AC clamp-on multimeter and DC Current function

- DC Current function to 1000A
- True RMS AC Voltage and Current measurements provide accurate readings regardless of waveforms
- Built-in non-contact IR Thermometer design with laser pointer for locating hot spots
- Diode open circuit voltage of 2.8V DC
- Peak hold captures transients
- Data Hold, Min/Max, and Auto Power off
- Complete with test leads, 9V battery, general purpose Type K probe, and case



EX840/EX850 CAT IV 1000A True RMS AC/DC Clamp Meters + IR and Bluetooth®

CAT IV 600V approval rating assures maximum safety and functionality

- AC/DC Voltage to 1000V and AC/DC Current to 1000A
- True RMS AC Voltage and Current measurements
- Built-in non-contact IR Thermometer with laser pointer
- Peak Hold, Data Hold, Min/Max, and Auto Power off
- Includes CAT IV test leads, 9V battery, Professional test lead set, general purpose Type K probe, and case
- **Model EX850** - Integrated Bluetooth® connects with most Android devices to transmit readings for remote viewing; Works with free Android App; Download the Extech EX850 ExView™ App at play.google.com

NEW Reduced Price!

EX850 with Bluetooth connectivity to most Android devices

