

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. 17-18



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. 19-21



EX600 HVAC Series
Best-in-class multifunctional Clamp Meters. 400 A 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. 18



EX650 Series
Professional clamps featuring Low Impedance (LoZ) mode and choice of advanced model with Low Pass Filter (LPF) and Inrush functions. Clamp meters that are fully loaded with multimeter functions.
p. 16



EX800 Series
Professional grade, 1000 A True RMS AC or AC/DC Clamp Meters with built-in non-contact IR Thermometer. Models available with CAT IV rating for AC or AC/DC measurements in high current/voltage areas.
p. 15



High Current Clamp Meters
Powerful clamp meters that can measure high AC current to 1000 A, 1500 A or 3000 A. Choose models with convenient large 11" (28 cm) flex cable jaw size that can fit into tight spaces and around large conductors or traditional 2.0" (52 mm) jaw size with integrated non-contact voltage detector.
p. 22-23

Look for this symbol: **N** indicating products that are available with optional calibration traceable to NIST. See complete listing on p. 146-147.



Exclusive to EXTECH Professional Grade Clamp Meters + IR Thermometer!

The EX800 Series clamp meters feature a unique, built-in, non-contact Infrared thermometer with laser pointer to monitor temperature and locate hot spots on motors and electrical devices. A large 4000 count LCD display with bright back lighting allows you to see the reading in dim light. The ergonomically designed double-molded housing offers a better grip for one-hand operation. The 1.7" (43 mm) diameter jaw opening is large enough for conductors up to 750 MCM. These meters are fully loaded with DMM functions with included test leads and Type K temperature probe. Models available for CAT IV and CAT III safety rating applications.



Watch the **Video**

www.extech.com/video

SPECIFICATIONS

True RMS
Manual/Autoranging
Display counts
Jaw size/Cable size
AC Current (Max Res.)
DC Current (Max Res.)
Basic ACA Accuracy (% rdg)
AC/DC Voltage (Max Res.)
Resistance (Max Res.)
Capacitance (Max Res.)
Frequency (Max Res.)
Temperature (Type K)
Temperature (IR)
Distance to Spot Ratio (IR)
Diode (2.8V)/Continuity
UL, ETL, CE, Category Rating
Dimensions/Weight
Warranty

ACCESSORIES (SEE P. 26-27 FOR TEST LEAD ACCESSORIES)

TP873	Replacement Bead Wire Temperature probe (-22 to 572°F/-30 to 300°C)
TL803	Standard Test Leads

1000 A Clamp Meters with Built-in IR Thermometer



EX810/EX820 1000 A AC Clamp Meters + IR Thermometer

Choice of manual ranging or autoranging model

- Built-in non-contact IR Thermometer design with laser pointer for locating hot spots
- Diode open circuit voltage of 2.8 V DC
- Peak hold captures transients
- Data Hold, Min/Max, and Auto Power Off
- Complete with test leads, 9 V battery, and case; general purpose Type K probe included with EX820
- **Model EX810** - Manual ranging with Averaging AC Voltage and Current measurements
- **Model EX820** - Autoranging with True RMS AC Voltage and Current measurements provide accurate readings regardless of waveforms and Type K temperature function



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

True RMS AC clamp-on multimeter and DC Current function

- DC Current function to 1000 A
- 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 2.8 V DC
- Peak hold captures transients
- Data Hold, Min/Max, and Auto Power off
- Complete with test leads, 9 V battery, general purpose Type K probe, and case



EX840 CAT IV 1000 A True RMS AC/DC Clamp Meter + IR

CAT IV 600 V approval rating assures maximum safety and functionality

- AC/DC Voltage to 1000 V and AC/DC Current to 1000 A
- 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, 9 V battery, Professional test lead set, general purpose Type K probe, and case

■ EX810 N | ▲ EX820 N

■ No ▲ Yes
■ Manual Ranging ▲ Autoranging
4000 count backlit LCD
1.7" (43 mm); 750 MCM
1000 A (0.1 A)
—
±2.5% (AC)
600 V (0.1 mV)
40 MΩ (0.1 Ω)
40 mF (0.001 nF)
4 kHz (1 Hz)
■ No ▲ -4 to 1400°F (-20 to 760°C)
-58 to 518°F (-50 to 270°C)
8:1
Yes/Audible
UL, CE, CAT III-600 V
10.6x4.3x2" (270x110x50 mm)/13.6 oz (386 g)
2 years

EX830 N

Yes
Autoranging
4000 count backlit LCD
1.7" (43 mm); 750 MCM
1000 A (0.1 A)
1000 A (0.1 A)
±2.5% (AC); ±2.5% (DC)
600 V (0.1 mV)
40 MΩ (0.1 Ω)
40 mF (0.001 nF)
4 kHz (1 Hz)
-4 to 1400°F (-20 to 760°C)
-58 to 518°F (-50 to 270°C)
8:1
Yes/Audible
UL, CE, CAT III-600 V
10.6x4.3x2" (270x110x50 mm)/13.6 oz (386 g)
2 years

EX840 N

Yes
Autoranging
4000 count backlit LCD
1.7" (43 mm); 750 MCM
1000 A (0.1 A)
1000 A (0.1 A)
±2.5% (AC); ±2.5% (DC)
1000 V (0.1 mV)
40 MΩ (0.1 Ω)
40 mF (0.001 nF)
4 kHz (1 Hz)
-4 to 1400°F (-20 to 760°C)
-58 to 518°F (-50 to 270°C)
8:1
Yes/Audible
ETL, CE, CAT IV-600 V; CAT III-1000 V
10.6x4.3x2" (270x110x50 mm)/13.6 oz (386 g)
3 years

EX650 Series True RMS 600 A Clamp Meters + NCV



Professional clamps featuring **Low Impedance (LoZ) mode** and choice of advanced model with **Low Pass Filter (LPF)** and **Inrush functions**

- True RMS for accurate AC measurements
- 1.18" (30 mm) jaw size accommodates conductors up to 350 MCM
- LoZ prevents false readings caused by ghost voltages
- μ A function for HVAC flame rod Current measurements
- Built-in Non-Contact AC Voltage Detector (NCV) with LED indicator
- 6000 count backlit LCD display
- Data Hold freezes the reading on the display
- Min/Max captures highest and lowest readings
- Relative function
- Convenient LED worklight for viewing in dimly lit area
- Auto Power Off conserves battery life
- 3-year warranty

Model EX650

- 9 Functions including AC Current
- Complete with test leads and 3 AAA batteries

Model EX655

- 12 Functions including AC/DC Current
- Frequency and Type K Temperature
- Low Pass Filter (LPF) for accurate measurement of variable frequency drive signals
- Inrush mode captures current surges during motor startup
- DC ZERO mode
- LCD trending bargraph
- Complete with test leads, general purpose bead wire Temperature probe and 3 AAA batteries



Troubleshoot current output on an electrical panel, verify Temperature output on HVAC units, and quickly detect live voltages with built-in Non-Contact Voltage (NCV) Detector.

SPECIFICATIONS	EX650	EX655
AC Current (Max Res.)	6 A, 60 A, 600 A (0.001 A)	60 A, 600 A (0.01 A)
DC Current	—	60A, 600A (0.01A)
Basic accuracy	ACA: $\pm 2.5\%$ of rdg	ACA: $\pm 2.5\%$ of rdg; DCA: $\pm 2.5\%$ of rdg
AC/DC μ A Current (Max Res.)	600 μ A (0.1 μ A)	600 μ A (0.1 μ A)
DC Voltage (Max Res.)	1000 V (0.1 mV)	1000 V (0.1 mV)
AC Voltage (Max Res.)	750 V (1 mV)	750 V (1 mV)
Basic accuracy	ACV: $\pm 1.2\%$ of rdg; DCV: $\pm 0.8\%$ of rdg	ACV: $\pm 1.2\%$ of rdg; DCV: $\pm 0.8\%$ of rdg
Non-Contact Voltage (NCV)	100 to 1000 V	100 to 1000 V
Resistance (Max Res.)	60 M Ω (0.1 Ω)	60 M Ω (0.1 Ω)
Capacitance (Max Res.)	60 mF (0.01 nF)	60 mF (0.01 nF)
Frequency (Max Res.)	—	10 Hz to 1 MHz (0.01 Hz)
Temperature (Max Res.)	—	-40 to 1832°F (1°F) -40 to 1000°C (1°C)
Continuity Beeper	Yes	Yes
Diode Test	Yes	Yes
Dimensions	9x3x1.6" (228x77x41 mm)	9x3x1.6" (228x77x41 mm)
Weight	9.4 oz (265 g)	9.4 oz (265 g)

ORDERING

EX650		True RMS 600 A AC Clamp Meter
EX655		True RMS 600 A AC/DC Clamp Meter
TL810		Electrical Test Lead Kit
TL803		Standard Test Leads
TP200		Type K Clamp Probe (212°F/100°C)
480172		AC Line Splitter (Standard North American 3-prong plug)

MA610 600 A Clamp Meter + NCV

NEW



Fully loaded clamp meter with built-in Non-Contact Voltage detector

- 1.2" (30 mm) jaw size accommodates conductors up to 500 MCM
- Built-in Non-Contact Voltage (NCV) detector
- MultiMeter functions include Resistance, Capacitance and Frequency
- Relative Mode for Capacitance
- Data Hold freezes reading on display
- Auto Power Off with disable and Low Battery indication
- Large backlit LCD display
- Complete with test leads, three AAA batteries, and pouch; 2-year warranty

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
AC Current	600.0 A	1 mA	±2.0%
DC Voltage	600 V	0.1 mV	±0.8%
AC Voltage	600 V	1 mV	±1.2%
Non-Contact Voltage (NCV)	100 to 600 V		
Resistance	40 MΩ	0.1 Ω	±1.0%
Capacitance	100 μF	0.01 nF	±4%
Frequency	1 MHz	0.01 Hz	±0.1%
Diode/Continuity	Yes		
Dimensions/Weight	9x3x1.6" (228x77x41 mm)/9.3 oz (265 g)		

ORDERING

MA610	N	600 A AC Clamp Meter + NCV
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MA440/MA443/MA445 400 A Clamp Meters + NCV

NEW



Three models to choose from, with or without True RMS and AC or AC/DC Current functions

- **Model MA440** with Averaging AC Current function
- **Model MA443 & MA445** feature True RMS AC Current, Temperature, and Max/Min functions and built-in flashlight
- **Model MA445** also measures DC Current and has DC Zero function
- 1.2" (30 mm) jaw size accommodates conductors up to 500 MCM
- Built-in Non-Contact Voltage (NCV) detector
- Relative Mode for Capacitance
- Data Hold freezes reading on display
- Auto Power Off with disable and Low Battery indication
- Large backlit LCD display
- 2-year warranty
- Complete with test leads, three AAA batteries, and pouch; MA443 and MA445 also includes a general purpose Type K Temperature probe

SPECIFICATIONS	MA440 MA443	MA445
AC Current	4.000 A, 40.00 A, 400.0 A (1 mA)	40.00 A, 400.0 A (10 mA)
DC Current	—	40.00 A, 400.0 A (10 mA)
Current accuracy	AC: ±2.0% True RMS AC: ±1.8%	True RMS AC: ±2.5%, DC: ±2.0%
DC Voltage	400.0 mV, 4 V, 40 V, 400 V 600 V (0.1 mV)	400.0 mV, 4 V, 40 V, 400 V 600 V (0.1 mV)
AC Voltage	4 V, 40 V, 400 V 600 V (0.1 mV)	4 V, 40 V, 400 V 600 V (0.1 mV)
Basic accuracy	AC: ±1.2% DC: ±0.8%	AC: ±1.2% DC: ±0.8%
Resistance (Ω)	400, 4 k, 40 k, 400 k, 4 M, 40 M (0.1 Ω)	400, 4 k, 40 k, 400 k, 4 M, 40 M (0.1 Ω)
Capacitance	40 nF, 400 nF, 4 μF, 40 μF, 400 μF, 4 mF, 40 mF (0.01 nF)	40 nF, 400 nF, 4 μF, 40 μF, 400 μF, 4 mF, 40 mF (0.01 nF)
Frequency	10 Hz to 1 MHz (0.01 Hz)	10 Hz to 1 MHz (0.01 Hz)
Temperature	— -40 to 1832°F/-40 to 1000°C (1°F/°C)	-40 to 1832°F/-40 to 1000°C (1°F/°C)
Dimensions/ Weight	9x3x1.6" (228x77x41 mm)/9.3 oz (265 g)	

ORDERING

MA440	N	400 A AC Clamp Meter
MA443	N	True RMS 400 A AC Clamp Meter
MA445	N	True RMS 400 A AC/DC Clamp Meter



Models MA443 and MA445 have Type K Temperature function (probe included) and built-in flashlight

EX600 Series True RMS 400 A Dual Input Clamp Meters + NCV



Built-in dual Type K thermocouple inputs for T1, T2, and T1-T2 differential temperature measurement

- True RMS for accurate AC measurements
- 1.25" (32 mm) jaw opening for conductors up to 500 MCM
- Built-in Non-Contact Voltage (NCV) detector with LED alert
- DC μ A multimeter function for HVAC flame rod Current measurements
- DC Current function ideal for automotive, heavy equipment and marine applications
- Built-in non-contact IR Thermometer (model EX623) with laser pointer for locating hot spots with 8 to 1 distance to spot ratio
- 40,000 count multimeter functions for DC Voltage, Resistance, Capacitance, and Frequency for high resolution over wider ranges
- Data Hold plus fast Peak Hold of current surges during motor startup
- Measures motor capacitors to 40,000 μ F
- Rugged double molded housing
- Auto power off with audible alert and disable function
- Autoranging with manual override
- 2-year warranty
- Complete with CAT III-600 V, double molded test leads, 9 V battery, two general purpose Type K bead wire probes and case

SPECIFICATIONS	EX613	EX623
AC/DC Current (Max Res.)	400.0 A AC/DC (10 mA)	400.0 A AC/DC (10 mA)
Basic ACA accuracy	$\pm 1.5\%$	$\pm 1.5\%$
AC/DC Voltage (Max Res.)	600 V (0.1 mV)/600 V (0.01 mV)	600 V (0.1 mV)/600 V (0.01 mV)
DC μ A Current (Max Res.)	4000 μ A (0.01 μ A)	4000 μ A (0.01 μ A)
Resistance (Max Res.)	40,000 M Ω (0.01 Ω)	40,000 M Ω (0.01 Ω)
Capacitance (Max Res.)	40 mF (0.01 nF)	40 mF (0.01 nF)
Frequency (Max Res.)	40 MHz (0.001 Hz)	40 MHz (0.001 Hz)
Temperature - Type K	-58 to 1832°F (-50 to 1000°C)	-58 to 1832°F (-50 to 1000°C)
Temperature - IR	—	-58 to 518°F (-50 to 270°C)
Distance to Spot Ratio	—	8:1
Diode (2.8V)/ Continuity	Yes	Yes
Duty Cycle	0.5 to 99.0%	0.5 to 99.0%
Dimensions	9x3.1x1.9" (229x80x49 mm)	9x3.1x1.9" (229x80x49 mm)
Weight	10.7 oz (303 g)	10.7 oz (303 g)

ORDERING

EX613	N	True RMS 400 A AC/DC Clamp Meter
EX623	N	True RMS 400 A AC/DC Clamp Meter + IR
TL810		Electrical Test Lead Kit
TL803		Standard Test Leads
TP200		Type K Clamp Probe (212°F/100°C)
480172		AC Line Splitter (Standard North American 3-prong plug)



Dual Type K Inputs for taking differential temperature readings needed for superheat measurements.



Built-in IR Thermometer for quick and safe non-contact temperature measurements.



Non-Contact Voltage (NCV) Detection.

380947 400 A AC/DC True RMS Mini Clamp Meter



Complete with wrist strap, 2 AA batteries and soft case; 2-year warranty



True RMS mini-clamp with high 1 mA AC current resolution

- Mini 0.9" (23 mm) jaw size for conductors up to 4/0 AWG
- Non-contact Frequency measurements to 10 kHz through the clamp jaws
- 4000 count LCD with fast 40 segment bargraph
- Data Hold and Min/Max
- One touch Auto Zero
- CAT III-300 V safety rating

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
AC Current	4 A, 40 A, 100 A, 400 A	0.001 A	±1.5%
DC Current	40 A, 400 A	0.01 A	±1.0%
Frequency (Max Res.)	10 kHz	0.01 Hz	±0.5%
Dimensions/Weight	7x1.8x1.3" (178x45x32 mm)/8 oz (225 g)		

ORDERING

380947 **N** 400 A AC/DC True RMS Mini Clamp Meter

380941 200 A AC/DC Mini Clamp Meter



Complete with test leads, wrist strap, 2 AA batteries and soft case; 2-year warranty



High resolution mini clamp with Voltage, Frequency, and Resistance

- Mini 0.9" (23 mm) jaw size for conductors up to 4/0 AWG
- High resolution to 10 mA AC/DC
- 4000 count LCD with fast 40 segment bargraph
- Data Hold and Min/Max
- One touch Auto Zero for DC Current measurements
- CAT III-300 V safety rating

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
AC/DC Current	40 A, 200 A	0.01A	±1.0%
AC/DC Voltage	400 V	0.1V	AC: ±1.5%; DC: ±1.0%
Resistance	400 Ω	0.1 Ω	±1.5%
Frequency	100 kHz	0.001 Hz	±0.5%
Continuity	Yes		
Dimensions/Weight	7x1.75x1.25" (178x45x32 mm)/8 oz (225 g)		

ORDERING

380941 **N** 200 A AC/DC Mini Clamp Meter

MA120 200A AC/DC Mini Clamp Meter + NCV



Complete with two AAA batteries and soft case; 2-year warranty



Clamp meter with built-in AC Voltage detector + flashlight

- Compact 0.7" (17 mm) jaw size allows measurements in tight locations
- DC Current and Zero Function
- Non-Contact AC Voltage (NCV) detector via clamp tip
- 2000 count backlit LCD
- Built-in white LED flashlight
- Data Hold freezes reading on display
- Auto Power Off
- CAT III-300 V safety rating

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
AC/DC Current	200 A	0.1 A	±3.0%
AC Voltage	NCV		
Frequency	1 kHz	0.01 Hz	±1.2%
Dimensions/Weight	7x1.75x1.25" (178x45x32mm)/8 oz (225 g)		

ORDERING

MA120 **N** 200 A AC/DC Mini Clamp Meter + NCV

380950 80 A AC/DC Mini Clamp Meter



True RMS mini-clamp with high 1 mA AC current resolution

- 4000 count LCD display
- 1 mA resolution for accurate low current measurements
- Jaw opens to 0.5" (12.7 mm)
- AC/DC Voltage, Resistance, Frequency, Capacitance, and Duty Cycle
- Diode Test/Continuity Beeper
- Data Hold freezes reading on display
- 2-year warranty
- Complete with test leads, two 1.5 V AAA batteries, and carrying case

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
AC/DC Current	4 A, 80 A	1 mA	±2.5%
AC/DC Voltage	400 mV to 600 V	0.1 mV	AC: ±2.0%; DC: ±2.5%
Resistance	400 Ω to 40 MΩ	0.1 Ω	±1.5%
Frequency	5 Hz to 10 MHz	0.001 Hz	±1.2%
Duty Cycle	5 to 99.9%	0.1%	±1.2%
Diode	Yes		
Continuity	Audible		
Dimension	8.3x2.8x1.5" (210x70x37 mm)		
Weight	7 oz (200 g)		

ORDERING

380950 **N** 80 A AC/DC Mini Clamp Meter



480172 AC Line Splitter



Enables user of a clamp meter to measure current on a 2-wire or 3-wire power cord to 15 A

- Fits clamp jaw size 0.75" (19 mm) and above
- Provides easy and safe measurement of current without the need to cut off the plug and separate the conductors
- Plugging the power connector into the Line Splitter separates the hot/live conductor from the neutral (and ground)
- Voltage check function
- Two clamp positions:
 - x1 for direct readings
 - x10 for actual reading multiplied by 10
- CAT II safety rating
- Dimensions: 5.25x2x1" (133x51x25 mm), Weight: 5.8 oz (164.4 g)
- 6-month warranty

ORDERING

480172 AC Line Splitter (Standard North American 3-prong plug)

MA63 True RMS 60 A AC/DC Clamp Meters + NCV



Quickly detect live voltages with built-in NCV detector before electrical testing. DC Current measurement allows for automotive troubleshooting.

AC and DC Current meter with high accuracy

- Compact 0.7" (17 mm) jaw size allows measurements in tight locations
- True RMS for accurate readings of noisy, distorted or non-sinusoidal waveforms
- DC Current and DC Zero function
- Variable Frequency Control (VFC): Low pass filter for accurate measurement of variable frequency drive signals
- Built-in Non-Contact Voltage (NCV) detector
- Full range overload protection
- 6000 count backlit LCD display
- Data Hold freezes reading on display
- Low battery indicator and Auto Power Off feature
- CAT III-300 V and CAT II-600 V safety rating
- 2-year warranty
- Complete with test leads, carrying case, and two AAA batteries

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
AC Current	600 mA, 6000 mA, 60 A	0.1 mA	±2.0%
DC Current	6000 mA, 60 A	1 mA	±2.0%
Non-Contact Voltage (NCV)	100 to 600 V AC		
AC Voltage	6 V, 60 V, 600 V	1 mV	±0.8%
DC Voltage	600 mV, 6 V, 60 V, 600 V	0.1 mV	±0.7%
Resistance (Ω)	600, 6 k, 60 k, 600 k, 6 M, 60 M	0.1 Ω	
Capacitance	6.2 nF, 620 μF, 62 mF	1 pF	
Frequency	10 Hz to 60 kHz	0.001 Hz	
Diode/Continuity	Yes		
Dimensions/ Weight	6.9x2.4x1.3" (175x60x33.5 mm)/6 oz (170 g)		

ORDERING

MA63 **N** True RMS 60 A AC/DC Clamp Meter + NCV

380942 30 A AC/40 A DC True RMS Mini Clamp Meter



Highest 0.1 mA resolution and accuracy at low currents

- 0.9" (23 mm) clamp jaw opening
- Low AC/DC Current measurements with high resolution to 0.1 mA AC and 1 mA DC
- True RMS for accurate readings of noisy, distorted or non-sinusoidal waveforms
- Large 4000 count LCD display with full function indication and fast 40 segment bargraph
- One touch "Auto Zero" for DC Current measurements eliminates the need to turn a knob to zero adjust
- Measure current draw when conducting energy usage audits
- Overload protection to 400 A DC
- Max/Min recall display
- Auto power off with disable feature
- Data Hold freezes reading on display
- 2-year warranty
- Complete with test leads, wrist strap, 2 AA batteries and soft case

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
AC Current	400 mA, 4000 mA, 30 A	0.1 mA	±1.5%
DC Current	4000 mA, 30 A, 40 A	1 mA	±2.0%
AC Voltage	400 V	0.1 V	±1.5%
DC Voltage	400 V	0.1 V	±1.0%
Dimensions/ Weight	7x1.75x1.25" (178x45x32 mm)/8 oz (225 g)		

ORDERING

380942 **N** 30A AC/40A DC True RMS Mini Clamp Meter
 480172 AC Line Splitter (Standard North American 3-prong plug)



Easily fits into tight spaces and large conductors

Flexible Clamp design easily wraps around bus bars and cable bundles.



PQ2071 1-Phase and 3-Phase CAT IV 1000 A AC Power Clamp Meter

Functions including Power and Current; USB interface

- True/Apparent/Reactive Power, plus Power Factor, Active Power and Phase Angle (see p. 43 for details)
- AC+DC μ A Current with 10 nA resolution for flame rod tests
- Built-in non-contact Voltage Detector with LED alert
- Store/recall up to 99 data sets
- Data Hold, Max/Min and Auto Power Off
- Software for data analysis
- Complete with test leads, USB cable, PC software, 9 V battery, and carrying case

More Power Meters

See Extech's complete line of power meters on pages 42-43



SPECIFICATIONS	PQ2071 N
True RMS	Yes
Display counts	9999 count LCD with bargraph (backlit)
Jaw size/Cable size	2.2" (55 mm); 1000 MCM
AC Current	1000 A
DC Current	—
Max resolution	100 mA
Basic ACA Accuracy (% rdg)	\pm 3% rdg
AC Voltage (Max Res.)	750 V (0.1 V)
DC Voltage (Max Res.)	—
Resistance (Max Res.)	—
Capacitance (Max Res.)	—
Frequency (Max Res.)	50 Hz to 200 Hz (1 Hz)
Temperature	—
Diode/Continuity	Yes/Audible
Category Rating	CAT IV-600 V, CAT III-1000 V
UL/CE	CE
Dimensions	11.5x3.75x1.5" (292x95x38 mm)
Weight	18.4 oz (522 g)
Warranty	2 years



N Indicates products that are available with optional calibration traceable to **NIST**. See pages 146-147 for a complete listing.



MA1500 CAT IV 1500 A AC/DC True RMS Clamp Meter + NCV

Integrated Non-Contact Voltage Detector to quickly check for the presence of live wires before testing

- True RMS for accurate readings of non-sinusoidal waveforms
- Includes Multimeter functions
- Inrush function captures motor startups
- Relative Mode for Capacitance Zero and Offset Adjustment
- Data Hold, Peak Hold, Min/Max, and Auto Power Off
- Complete with test leads, general purpose Type K bead wire temperature probe, 9 V battery and carrying case



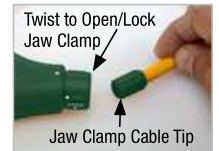
380926 CAT IV 2000 A AC/DC Clamp Meter

Full range Multimeter functions with high resolution to 0.1 μ A/0.1 mV and CAT IV-600 V Safety Rating

- AC/DC Current via clamp with 0.1 A resolution
- Large 2" jaw size fits 750 MCM conductor size
- Data Hold
- Push button Zero adjust improves DC accuracy
- Complete with built-in stand, test leads and 9 V battery



NEW



Convenient flexible jaw cable with easy twist lock

MA3110 CAT IV TRMS 3000 A AC Flexible Clamp Meter

Flexible 11" (28 cm) clamp jaw easily wraps around bus bars and cable bundles

- True RMS for accurate readings of noisy, distorted or non-sinusoidal waveforms
- Autoranging AC Current
- 8mm cable diameter fits into tight spaces and around large conductors
- 6000 count LCD display
- Data Hold freezes reading on display
- Over range and Low battery indicator
- Auto Power Off with disable
- CAT III-1000 V, CAT IV-600 V category safety rating
- Complete with test leads and two AAA batteries

MA1500 <small>N</small>	380926 <small>N</small>	MA3110 <small>N</small>
Yes	Yes	True RMS
40,000/4000 count LCD w/bargraph (backlit)	5000 count LCD (backlit)	6000 count LCD
2.0" (52 mm); 500MCM	2" (50 mm); 750 MCM	11" (28 cm)
1500 A	400.0 A, 2000 A (Clamp); 400 mA (DMM)	600 A, 3000 A
1500 A	400.0 A, 2000 A (Clamp); 400 mA (DMM)	—
0.01 A	0.1 A (Clamp); 0.1 μ A (DMM)	0.1 A (AC)
$\pm 2.8\%$	$\pm 2\%$	$\pm 1\%$
750 V (0.01 mV)	1000 V (1 mV)	6, 60, 600, 1000 V (1 mV)
1000 V (0.01 mV)	1000 V (0.1 mV)	6, 60, 600, 1000 V (1 mV)
40 M Ω (0.01 Ω)	40 M Ω (0.1 Ω)	600, 6 k, 60 k, 600 k, 6 M, 60 M (0.1 Ω)
40 mF (0.01 nF)	50 μ F (10 pF)	6n F, 60 nF, 600 nF, 6 μ F, 60 μ F, 600 μ F (0.001 nF)
40 MHz (0.001 Hz)	100 kHz (0.001 Hz)	—
-148 to 1832°F (-100 to 1000°C)	—	—
Yes/Audible	Yes/Audible	Yes/Audible
CAT IV-600 V	CAT IV-600 V	CAT IV-600 V, CAT III-1000 V
CE	CE	UL, CE, CAT III-1000 V, CAT IV-600 V
11.6x4.1x1.9" (294x105x47 mm)	10x2.9x1.5" (255x73x38 mm)	11.4x5.3x1.1" (290x135x27.8 mm)
18.9 oz (536 g)	14 oz (380 g)	7.3 oz (208 g) w/o batteries
2 years	2 years	2 years