

## Clamp Meter Selection Guide

Compare specifications of our most popular Clamp Meters

	EX820	EX830	EX840	EX720	EX730	EX622	EX623	MA620	MA640	MA200	MA220	MA250	380942	380941	380947
Page	23	23	23	27	27	25	25	29	29	31	31	28	32	33	33
AC Current	1000A	1000A	1000A	800A	800A	400A	400A	600A	600A	400A	400A	200A	30A	200A	400A
Counts	4000	4000	4000	4000	4000	4000	4000	6000	6000	2000	4000	4000		4000	
True RMS	•	•	•	•	•	•	•	•	•				•		•
Jaw Opening	1.7"	1.7"	1.7"	1.2"	1.2"	1.25"	1.25"	1.5"	1.5"	0.9"	0.9"	1.2"	0.9"	0.9"	0.9"
Basic Accuracy	±2.5%	±2.5%	±2.5%	±2.5%	±2.5%	±1.5%	±1.5%	±2.8%	±2.8%	±2.5%	±3.0%	±2.5%	±1.5%	±1.0%	±1.5%
DC Current		•	•	•	•		•		•		•		•	•	•
AC/DC Voltage	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Resistance	•	•	•	•	•	•	•	•	•	•	•	•		•	
Capacitance	•	•	•	•	•	•	•	•	•		•	•			
Frequency	•	•	•	•	•	•	•	•	•		•	•		•	•
Temperature (Type K)	•	•	•	•	•	2x	2x	•	•		•	•			
IR Temperature	•	•	•			•	•								
Diode	•	•	•	•	•	•	•	•	•	•	•	•			
Continuity	•	•	•	•	•	•	•	•	•	•	•	•		•	
Auto Power Off	•	•	•	•	•	•	•	•	•	•	•	•	•		
Backlit Display	•	•	•	•	•	•	•	•	•						
Min/Max	•	•	•			•	•	•	•	Max		•	•	•	•
Zero		•	•		•		•		•		•		•	•	•
Data Hold	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Peak	•	•	•	•	•	•	•								
CAT Rating	CAT III 600V	CAT III 600V	CAT IV 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 300V	CAT III 300V	CAT III 300V



The Extech EX800 series clamp meters work as hard as you. The EX800s are designed for safety and ruggedness, without compromising performance or innovation. Only Extech offers available CAT IV-rated, 1000A AC/DC capabilities, True RMS accuracy and a built-in infrared thermometer for hot-spot detection. Plus, the EX845's MeterLink™ technology can wirelessly transmit your readings to a FLIR infrared camera via Bluetooth.

### SPECIFICATIONS

True RMS  
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)  
Diode (2.8V)/ Continuity  
Wireless Communication  
UL, ETL, CE, Category Rating  
Dimensions/Weight  
Warranty

### ACCESSORIES (SEE P. 40-43 FOR TEST LEAD ACCESSORIES)

TP873	Replacement Bead wire Temperature probe (-22 to 572°F/-30 to 300°C)
TL841	Test Lead Kit
TL833	Industrial Test Lead Kit
TL831	Master Test Lead Kit
TL803	Standard Test Leads

# 1000 Amp Clamp Meters with Built-in IR Thermometer



## 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 inrush currents and 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 inrush currents and transients
- Data Hold, Min/Max, and Auto Power off
- Complete with test leads, 9V battery, general purpose Type K probe, and case



## EX840/EX845 CAT IV 1000A True RMS AC/ DC Clamp Meters + IR Thermometer

CAT IV 600V approval rating assures maximum safety and functionality

- AC/DC Voltage measurement to 1000V and AC/DC Current to 1000A
- True RMS AC Voltage and Current measurements
- Built-in non-contact IR Thermometer design with laser pointer
- Diode open circuit voltage of 2.8V DC
- 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 EX845** - Bluetooth® Transmitter with METERLiNK™ wirelessly transmits Voltage and Current readings to your FLIR camera to incorporate meter readings with thermal images

### EX820 N

Yes
4000 count backlit LCD
1.7" (43mm); 750MCM
1000A (0.1A)
—
±2.5% (AC)
600V (0.1mV)
40MΩ (0.1Ω)
40mF (0.001nF)
4kHz (1Hz)
-4 to 1400°F (-20 to 760°C)
-58 to 518°F (-50 to 270°C)
Yes
—
UL, CE, CAT III-600V
10.6x4.3x2" (270x110x50mm)/ 13.6oz (386g)
1 year

### EX830 N

Yes
4000 count backlit LCD
1.7" (43mm); 750MCM
1000A (0.1A)
1000A (0.1A)
±2.5% (AC); ±2.5% (DC)
600V (0.1mV)
40MΩ (0.1Ω)
40mF (0.001nF)
4kHz (1Hz)
-4 to 1400°F (-20 to 760°C)
-58 to 518°F (-50 to 270°C)
Yes
—
UL, CE, CAT III-600V
10.6x4.3x2" (270x110x50mm)/ 13.6oz (386g)
1 year

### ■ EX840 N | ▲ EX845

Yes
4000 count backlit LCD
1.7" (43mm); 750MCM
1000A (0.1A)
1000A (0.1A)
±2.5% (AC); ±2.5% (DC)
1000V (0.1mV)
40MΩ (0.1Ω)
40mF (0.001nF)
4kHz (1Hz)
-4 to 1400°F (-20 to 760°C)
-58 to 518°F (-50 to 270°C)
Yes
■ No   ▲ Bluetooth and METERLiNK
ETL, CE, CAT IV-600V; CAT III-1000V
10.6x4.3x2" (270x110x50mm)/ 13.6oz (386g)
3 years

## Get More Done With a 5-in-1

*"The EX623 gave me what I needed to effectively perform my daily requirements with a single device. I use it for installation and maintenance of VFDs plus other machinery and upgrades. The IR thermometer, along with the dual K thermocouples, allows me to compare pertinent data for troubleshooting: electrical hot spots and differential temperatures in HVAC. It's rugged with lots of features at a great price."*

Jenn L., Ontario, Canada



TL831



TP200

TP400



480172

### ACCESSORIES (SEE P. 40-43 FOR DETAILS)

TP200	Type K Pipe Clamp Probe (212°F/100°C)
TP400	Type K Pipe Clamp Probe (212°F/100°C)
TL841	Test Lead Kit
TL833	Industrial Test Lead Kit
TL831	Master Test Lead Kit
480172	AC Line Splitter (see p. 26)

## Beyond Clamp Meters

The Extech EX600 series 400A Clamp Meters go beyond basic clamp-on functions. The available built-in IR thermometer is perfect for quick and safe non-contact temperature measurements. The unique tip on the clamp is designed with an integrated non-contact voltage detector to safely check the presence of live wires. These specialized HVAC clamp meters with  $\mu$ A feature also function as advanced multimeters measuring voltage, resistance, capacitance, frequency, and contact temperature with the ability to calculate delta-T.



### SPECIFICATIONS

True RMS
Jaw size/Cable size
AC/DC Current
Max resolution
Basic ACA accuracy
AC/DC Voltage (Max Res.)
DC $\mu$ A Current
Resistance (Max Res.)
Capacitance (Max Res.)
Frequency (Max Res.)
Temperature (Type K-dual input)
Temperature (IR)
Diode (2.8V)/ Continuity
Duty Cycle
ETL, CE, Category Rating
Dimensions/Weight
Warranty



## EX613 AC/DC True RMS 400A Clamp Meter

Dual thermocouple inputs for differential temperature measurement plus Non-contact Voltage Detector

- Dual type K thermocouple input with Differential Temperature function (T1, T2, T1-T2)
- Built-in non-contact Voltage detector
- DC  $\mu$ A multimeter function for HVAC flame rod Current measurements
- Data Hold plus fast Peak Hold of current surges during motor startup
- Measures motor capacitors to 40,000 $\mu$ F
- Auto power off with audible alert and disable function
- Autoranging with manual override
- Complete with CAT III-600V, double molded test leads, 9V battery, two general purpose Type K bead wire probes, and carrying case



## EX622 AC True RMS 400A Clamp Meter + IR Thermometer

Built-in IR Thermometer and dual thermocouple inputs for differential temperature measurement plus non-contact Voltage Detector

- Built-in non-contact IR Thermometer with laser pointer; 8:1 distance to target ratio
- Dual type K thermocouple input with Differential Temperature function (T1, T2, T1-T2)
- Built-in non-contact Voltage detector
- DC  $\mu$ A multimeter function for HVAC flame rod Current measurements
- Data Hold plus fast Peak Hold of current surges during motor startup
- Measures motor capacitors to 40,000 $\mu$ F
- Auto power off with audible alert and disable function
- Autoranging with manual override
- Complete with CAT III-600V, double molded test leads, 9V battery, two general purpose Type K bead wire probes, and carrying case



**BEST  
IN CLASS**  
★ ★ ★



## EX623 AC/DC True RMS 400A Clamp Meter + IR Thermometer

Built-in IR Thermometer, AC/DC function, dual thermocouple inputs and Non-contact Voltage Detector

- DC Current with Zero function
- Built-in non-contact IR Thermometer with laser pointer; 8:1 distance to target ratio
- Dual type K thermocouple input with Differential Temperature function (T1, T2, T1-T2)
- Built-in non-contact Voltage detector
- DC  $\mu$ A multimeter function for HVAC flame rod Current measurements
- Data Hold plus fast Peak Hold of current surges during motor startup
- Measures motor capacitors to 40,000 $\mu$ F
- Auto power off with audible alert and disable function
- Autoranging with manual override
- Complete with CAT III-600V, double molded test leads, 9V battery, two general purpose Type K bead wire probes, and carrying case

### EX613

Yes
1.25" (32mm); 500MCM
400.0A AC/DC
10mA
$\pm 1.5\%$
600V (0.1mV)/600V (0.01mV)
4000 $\mu$ A (0.01 $\mu$ A)
40.000M $\Omega$ (0.01 $\Omega$ )
40mF (0.01nF)
40MHz (0.001Hz)
-58 to 1832°F (-50 to 1000°C)
—
Yes
0.5 to 99.0%
ETL, CE, CAT III-600V
9x3.1x1.9" (229x80x49mm)/ 10.7oz (303g)
1 year

### EX622

Yes
1.25" (32mm); 500MCM
400.0A AC only
10mA
$\pm 1.5\%$
600V (0.1mV)/600V (0.01mV)
4000 $\mu$ A (0.01 $\mu$ A)
40.000M $\Omega$ (0.01 $\Omega$ )
40mF (0.01nF)
40MHz (0.001Hz)
-58 to 1832°F (-50 to 1000°C)
-58 to 518°F (-50 to 270°C)
Yes
0.5 to 99.0%
ETL, CE, CAT III-600V
9x3.1x1.9" (229x80x49mm)/ 10.7oz (303g)
1 year

### EX623

Yes
1.25" (32mm); 500MCM
400.0A AC/DC
10mA
$\pm 1.5\%$
600V (0.1mV)/600V (0.01mV)
4000 $\mu$ A (0.01 $\mu$ A)
40.000M $\Omega$ (0.01 $\Omega$ )
40mF (0.01nF)
40MHz (0.001Hz)
-58 to 1832°F (-50 to 1000°C)
-58 to 518°F (-50 to 270°C)
Yes
0.5 to 99.0%
ETL, CE, CAT III-600V
9x3.1x1.9" (229x80x49mm)/ 10.7oz (303g)
1 year



## Tough Clamps for Tough Jobs

The Extech EX700 series of clamp meters offers users a mix of versatile measurement capabilities coupled with a durable design. The EX700s feature available True RMS accuracy and an 800A AC/DC current rating. For diagnostics, the EX700 captures inrush currents and transients with fast peak hold. And for temperature extremes, the available thermocouple thermometer measures up to 1400°F (760°C). Discover the rugged, advanced and ergonomic EX700 series for yourself.



TP200

TP400

See page 41 for ordering.



### ACCESSORIES (SEE P. 40-43 FOR DETAILS)

480172	AC Line Splitter (see below for details)
TP873	Replacement Bead wire Temperature probe (-22 to 572°F/-30 to 300°C)
TL803	Replacement Test Leads
TL841	Test Lead Kit
TL833	Industrial Test Lead Kit
TL831	Master Test Lead Kit



### Take Easy AC Current Measurements without Separating the Conductors!

#### Buy an AC Current 480172 AC Line Splitter

- Enables users of a clamp meter to measure AC current on a 2-wire or 3-wire power cord to 15A
- Fits clamp jaw size 0.75" (19mm) and above
- Provides easy and safe measurements of current without the need to separate the conductors
- Plugging the power connector into the Line Splitter separates the hot/live conductor from the neutral (and ground)
- Also features voltage check function
- Dimensions: 5.25x2x1" (133x51x25mm), Weight: 5.8oz (164.4g)

### SPECIFICATIONS

True RMS
Display counts
Jaw size/Cable size
AC Current
DC Current
Max resolution
Basic ACA Accuracy (% rdg)
AC/DC Voltage (Max Res.)
Resistance (Max Res.)
Capacitance (Max Res.)
Frequency (Max Res.)
Temperature (Type K)
UL, CE, Category Rating
Dimensions/Weight
Warranty



### EX710 800A AC Clamp Meter

Ergonomically designed in rugged double molded housing

- Data Hold and Auto power off
- Peak Hold for inrush currents
- AC/DC Voltage, Resistance, Capacitance, and Frequency
- Complete with test leads, 9V battery, and belt holster



### EX720 800A True RMS AC Clamp Meter with Type K Temperature

True RMS clamp meter with Type K surface Temperature measurements

- True RMS measurements
- Type K thermocouple temperature function
- Data Hold and Auto power off
- Peak Hold for inrush currents
- AC/DC Voltage, Resistance, Capacitance, and Frequency
- Complete with test leads, 9V battery, general purpose Type K bead wire probe, and belt holster



### EX730 800A True RMS AC/DC Clamp Meter with Type K Temperature

True RMS AC/DC Current clamp meter with Type K surface Temperature measurements

- DC Current with Zero function
- True RMS measurements
- Type K thermocouple temperature function
- Data Hold and Auto power off
- Peak Hold for inrush currents
- AC/DC Voltage, Resistance, Capacitance, and Frequency
- Complete with test leads, 9V battery, general purpose Type K bead wire probe, and belt holster

#### EX710 N

—
4000 count backlit LCD
1.2" (30mm); 500MCM
40.00A, 400.0A, 800A
—
0.01A (AC)
±2.8%
600V (0.1mV)
40MΩ (0.1Ω)
40mF (0.001nF)
4kHz (1Hz)
—
UL, CE, CAT III-600V
9x3.1x1.9" (229x80x49mm) / 10.7oz (303g)
1 year

#### EX720 N

Yes
4000 count backlit LCD
1.2" (30mm); 500MCM
40.00A, 400.0A, 800A
—
0.01A (AC)
±2.5%
600V (0.1mV)
40MΩ (0.1Ω)
40mF (0.001nF)
4kHz (1Hz)
-4 to 1400°F / -20 to 760°C
UL, CE, CAT III-600V
9x3.1x1.9" (229x80x49mm) / 10.7oz (303g)
1 year

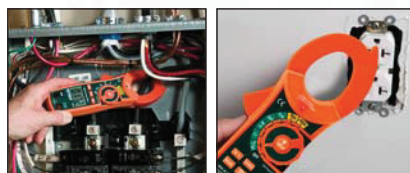
#### EX730 N

Yes
4000 count backlit LCD
1.2" (30mm); 500MCM
40.00A, 400.0A, 800A
40.00A, 400.0A, 800A
0.01A AC/DC
±2.8% (AC); ±2.5% (DC)
600V (0.1mV)
40MΩ (0.1Ω)
40mF (0.001nF)
4kHz (1Hz)
-4 to 1400°F / -20 to 760°C
UL, CE, CAT III-600V
9x3.1x1.9" (229x80x49mm) / 10.7oz (303g)
1 year

## Ask Someone Who Owns One

*"I was interested in the multiple features of the MA640 and the reliability of the Extech DMM as stated by a couple of my peers. The Extech color scheme also caught my eye. I use it for electrical measurement and troubleshooting. The Extech DMM measures up with any DMM that I have used and the price is very competitive."*

Wayne H.  
South Dakota



## MA250 200A AC Clamp Meter + NCV

20A and 200A Current ranges plus built-in non-contact Voltage detector with LED alert

- 1.2" (30mm) jaw size for conductors up to 350MCM
- Relative Mode for Capacitance Zero, and Offset Adjustment
- Data Hold and MIN/MAX
- Auto Power Off
- Complete with test leads, general purpose Type K bead wire probe, two AAA batteries, and carrying case

### ACCESSORIES (SEE P. 40-43)

480172	AC Line Splitter (see p. 26)
TP873	Replacement Bead wire Temperature probe (-22 to 572°F/-30 to 300°C)
TL803	Replacement Test Leads

### SPECIFICATIONS

SPECIFICATIONS	MA250 <span style="color: blue;">N</span>
True RMS	—
Display counts	4000 count LCD
Jaw size/Cable size	1.2" (30mm); 350MCM
AC Current	20A, 200A
DC Current	—
Max Resolution	0.01A (AC)
Basic ACA Accuracy (% rdg)	±2.5%
AC Voltage (Max Res.)	600V (0.1mV)
DC Voltage (Max Res.)	600V (0.1mV)
Resistance (Max Res.)	40.00MΩ (0.1Ω)
Capacitance (Max Res.)	100μF (0.01nF)
Frequency (Max Res.)	10kHz (1Hz)
Temperature	-4 to 1400°F (-20 to 760°C)
Duty Cycle	0.1 to 99.9%
Diode/Continuity	Yes
Data Hold	Yes
Min/Max	Min/Max
UL, ETL, CE, Category Rating	ETL, CE, CAT III-600V
Dimensions/Weight	7.9x2.6x1.5" (200x66x37mm)/ 7.2oz (205g)
Warranty	1 year



### MA410 400A AC Clamp Meter + NCV

40A and 400A Current ranges  
plus built-in non-contact Voltage  
detector with LED alert

- 1.2" (30mm) jaw size for conductors up to 350MCM
- Relative Mode for Capacitance Zero, and Offset Adjustment
- Data Hold and MIN/MAX
- Auto Power Off
- Complete with test leads, general purpose Type K bead wire probe, two AAA batteries, and carrying case



### MA620 True RMS 600A AC Clamp Meter + NCV

60A and 600A Current ranges and  
True RMS for accurate readings of  
non-sinusoidal waveforms

- 1.5" (40mm) jaw size for conductors up to 500MCM
- Backlit LCD with bargraph
- Relative Mode for Capacitance Zero and Offset Adjustment
- Data Hold, MIN/MAX, and Auto Power Off
- Complete with test leads, general purpose Type K bead wire probe, 9V battery and carrying case



### MA640 True RMS 600A AC/DC Clamp Meter + NCV

60A and 600A Current ranges and  
True RMS for accurate readings of  
non-sinusoidal waveforms

- DC Current function
- 1.5" (40mm) jaw size for conductors up to 500MCM
- Backlit LCD with bargraph
- Relative Mode for Capacitance Zero and Offset Adjustment
- Data Hold, MIN/MAX, and Auto Power Off
- Complete with test leads, general purpose Type K bead wire probe, 9V battery and carrying case

MA410 <small>N</small>	MA620 <small>N</small>	MA640 <small>N</small>
—	Yes	Yes
4000 count LCD	6000 count LCD (backlit)	6000 count LCD (backlit)
1.2" (30mm); 350MCM	1.5" (40mm); 500MCM	1.5" (40mm); 500MCM
40A, 400A	60A, 600A	60A, 600A
—	—	60A, 600A
0.01A (AC)	0.01A	0.01A
±2.5%	2.8%	2.8%
600V (0.1mV)	600V (1mV)	600V (1mV)
600V (0.1mV)	600V (1mV)	600V (1mV)
40.00MΩ (0.1Ω)	60MΩ (0.1Ω)	60MΩ (0.1Ω)
100μF (0.01nF)	4000.0μF (0.01nF)	4000.0μF (0.01nF)
10kHz (1Hz)	10kHz (0.001Hz)	10kHz (0.001Hz)
-4 to 1400°F (-20 to 760°C)	-4 to 1400°F (-20 to 760°C)	-4 to 1400°F (-20 to 760°C)
0.1 to 99.0%	0.1 to 99.9%	0.1 to 99.9%
Yes	Yes	Yes
Yes	Yes	Yes
Min/Max	Min/Max	Min/Max
ETL, CE, CAT III-600V	ETL, CE, CAT III-600V	ETL, CE, CAT III-600V
7.9x2.6x1.5" (200x66x37mm)/ 7.2oz (205g)	9.1x3x1.5" (232x77x39mm)/ 9.6oz (271g)	9.1x3x1.5" (232x77x39mm)/ 9.6oz (271g)
1 year	1 year	1 year



## The Choice for Technical Education

*"My son used these meters (MA200) in college and I was impressed when I got a chance to use one. If it was good enough for the college to teach their students, it must be a quality product. I haven't been disappointed."*

Dave H., Minnesota



### ACCESSORIES (SEE P. 40-43)

480172	AC Line Splitter (see p. 26)
TP873	Replacement Bead wire Temperature probe (-22 to 572°F/-30 to 300°C)
TL803	Replacement Test Leads



## MA120 200A AC/DC Mini Clamp Meter+ Voltage Detector

Clamp meter with built-in AC Voltage detector + flashlight

- Functions include AC/DC Current and Frequency
- Data Hold
- Zero Function
- Backlit LCD
- Non-contact AC Voltage (NCV) detector via clamp tip
- Built-in white LED flashlight
- Auto power off
- Complete with pouch case and two AAA batteries



## MA150 200A AC Mini Clamp Meters+ Voltage Detector

Clamp meters with built-in AC Voltage detector + flashlight

- Functions include AC Current, AC/DC Voltage, and Resistance
- MAX Hold
- Backlit LCD
- Non-contact AC Voltage (NCV) detector via clamp tip
- Built-in white LED flashlight
- Auto power off
- Complete with pouch case and two AAA batteries

SPECIFICATIONS	MA120 <small>N</small>	MA150 <small>N</small>
True RMS	—	—
Display counts	2000 count backlit LCD	2000 count backlit LCD
Jaw size/Cable size	0.7" (18mm); 300MCM	0.7" (18mm); 300MCM
AC Current	200A	200A
DC Current	200A	—
Max Resolution	0.1A	0.1A
Basic ACA Accuracy (% rdg)	±3%	±3%
AC Voltage (Max Res.)	NCV	NCV, 600V (0.1mV)
DC Voltage (Max Res.)	—	600V (0.1mV)
Resistance (Max Res.)	—	20MΩ (0.1Ω)
Capacitance (Max Res.)	—	—
Frequency (Max Res.)	1kHz (0.01Hz)	—
Temperature	—	—
Duty Cycle	—	—
Diode/Continuity	—	Yes
Data Hold	Yes	—
Min/Max	—	Max
UL, ETL, CE, Category Rating	CE, CAT III-300V	CE, CAT III-300V
Dimensions/Weight	6.5x2.6x1.3" (164x65x32mm) /6.2oz (176g)	6.5x2.6x1.3" (164x65x32mm) /6.2oz (176g)
Warranty	1 year	1 year



## AM300 300A AC Analog Clamp Meter

**Rotary Scale with Pointer Lock freezes the reading on the display**

- Single function/range switch for easy one hand operation
- Jaw opens to 1.5" (38mm)
- AC/DC Voltage and Resistance measurement
- Pointer Lock function freezes the reading
- Zero adjust
- Complete with test leads, 1.5V AA battery and carrying case



## MA200 400A AC Clamp Meter

**Basic AC Current Meter with 6 functions**

- AC Current measurement
- Compact size allows measurements in tight locations
- Auto power off
- Complete with test leads, case and two AAA batteries



## MA220 400A AC/DC Clamp Meter

**AC/DC clamp meter with 11 functions**

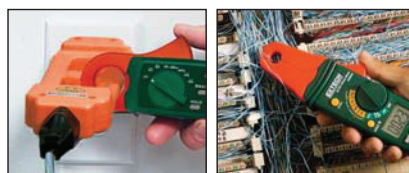
- AC/DC Current measurement
- Capacitance, Frequency, Temperature and Duty Cycle
- One touch "Auto Zero"
- Compact size allows measurements in tight locations
- Auto power off
- Complete with test leads, case, two AAA batteries and a general purpose Type K bead wire probe

AM300 <small>N</small>	MA200 <small>N</small>	MA220 <small>N</small>	SPECIFICATIONS
—	—	—	True RMS
Analog	2000 count LCD	4000 count LCD	Display counts
1.5" (38mm) 500MCM	0.9" (23mm); 300MCM	0.9" (23mm); 300MCM	Jaw size/ Cable size
6,15, 60, 150, 300A (AC scale)	2.000A, 20.00A, 200.0, 400A	2.000A, 20.00A, 200.0, 400A	AC Current
—	—	2.000A, 20.00A, 200.0, 400A	DC Current
—	0.001A AC	0.01A AC/DC	Max. Resolution
±3.0%FS	±2.5%	±3%	Basic ACA Accuracy (% rdg)
300V, 600V	600V (0.1mV)	600V (0.1mV)	AC Voltage (Max Res.)
75V	600V (0.1mV)	600V (0.1mV)	DC Voltage (Max Res.)
2kΩ	20MΩ (0.1Ω)	40MΩ (0.1Ω)	Resistance (Max Res.)
—	—	100μF (0.01nF)	Capacitance (Max Res.)
50 to 400Hz (ACA)	—	150kHz (0.001Hz)	Frequency (Max Res.)
—	—	-58 to 1832°F (-50 to 1000°C)	Temperature
—	—	0.5% to 99.0%	Diode/Continuity
—	Yes	Yes	Data Hold
Pointer Lock	Yes	Yes	Min/Max/Peak
—	Max	—	Category Rating
CE, CAT II-600V	UL, CE, CAT III-600V	UL, CE, CAT III-600V	Dimensions
9x2.8x1.5" (230x72x37mm)/14.5oz (416g)	7.9x2x1.4" (200x50x35mm)/7oz (200g)	7.9x2x1.4" (200x50x35mm)/7oz (200g)	Weight
1 year	1 year	1 year	Warranty

## Small Size, Big Performance

*"The Extech mini-clamp was perfect for reaching tight spaces due to the narrower design and thinner clamps. And where the Fluke only offered four functions, Extech offered six."*

Ilya K., United States Marine Corps,  
North Carolina



### ACCESSORIES (SEE P. 40-43 FOR TEST LEADS)

480172 AC Line Splitter (see p. 26)



## 380942 30A AC/DC True RMS Mini Clamp Meter with 0.1mA Resolution

**Highest resolution and  
accuracy at low currents**

- Low AC/DC Current measurements with high resolution to 0.1mA AC and 1mA DC
- Fast 40 segment bargraph
- One touch Auto Zero for DC Current measurements
- Auto power off with disable feature
- Data Hold
- Complete with test leads, wrist strap, 2 AA batteries and case

### SPECIFICATIONS

SPECIFICATIONS	380942 <span style="color: blue;">N</span>
True RMS	True RMS
Display counts	4000 count LCD
Jaw size/Cable size	0.9" (23mm); 4/0 AWG
AC Current	400mA, 4A, 30A
DC Current	4A, 30A
Max Resolution	AC: 0.1mA, DC: 0.001A
Basic ACA Accuracy (% rdg)	±1.5%
AC Voltage (Max Res.)	400V (0.1V)
DC Voltage (Max Res.)	400V (1V)
Resistance (Max Res.)	—
Frequency (Max Res.)	—
Diode/Continuity	—
Data Hold	Yes
Min/Max/Peak	Min/Max
UL, CE, Category Rating	UL, CE, CAT III-300V
Dimensions	7x1.8x1.3" (178x45x32mm)
Weight	8oz (225g)
Warranty	1 year



## 380950 80A AC/DC Mini Clamp Meter

Small jaw size (0.5"/12mm)  
fits into tight spaces

- 1mA resolution
- Voltage, Resistance, Frequency and Duty Cycle measurement
- Auto power off
- CAT III-600V
- Complete with test leads, carrying case and two 1.5V AAA batteries



## 380941 200A AC/DC Mini Clamp Meter

High resolution mini clamp with  
Voltage, Frequency, and Resistance

- High resolution to 10mA AC/DC
- Fast 40 segment bargraph
- One touch Auto Zero for DC Current measurements
- Complete with test leads, wrist strap, 2 AA batteries and carrying case



## 380947 400A AC/DC True RMS Mini Clamp Meter

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

- Non-contact Frequency measurements to 10kHz through the clamp jaws
- Fast 40 segment bargraph
- One touch Auto Zero
- Complete with wrist strap, 2 AA batteries and carrying case

### 380950

—
4000 count LCD
0.5" (12mm); 3/0 AWG
4.000A, 80.0A
4A, 80A
1mA
±2.5%
600V (0.1mV)
600V (0.1mV)
40MΩ (0.1Ω)
10MHz (0.001Hz)
Continuity
Yes
Max
CE, CAT III-600V
8.2x2.7x1.4" (210x70x37mm)
7oz (200g)
1 year

### 380941 N

—
4000 count LCD
0.9" (23mm); 4/0 AWG
40A, 200A
40A, 200A
0.01A AC/DC
±1.0%
400V (0.1V)
400V (0.1V)
400Ω (0.1Ω)
10kHz (0.01Hz)
Continuity
Yes
Min/Max
UL, CE, CAT III-300V
7x1.75x1.25" (178x45x32mm)
8oz (225g)
1 year

### 380947 N

True RMS
4000 count LCD
0.9" (23mm); 4/0 AWG
4A, 40A
40A, 400A
AC: 0.001A, DC: 0.01A
AC: ±1.5%, DC: ±1.0%
—
—
—
10kHz (0.01Hz)
—
Yes
Min/Max
UL, CE, CAT III-300V
7x1.8x1.3" (178x45x32mm)
8oz (225g)
1 year



## Powerful Tools for High Current Jobs

For the most demanding applications, Extech's high-current clamp meters provide trustworthy measurements up to 3000A. Find the right high-current clamp for your job. Extech offers AC and AC/DC options, power quality measurements, True RMS accuracy, voltage to 1000V, flexible clamps for hard-to-reach wires, inrush measurements, and more.



## More Power Clamps

See Extech's complete line of power clamps on pages 60-61

### ACCESSORIES (SEE P. 40-43 FOR TEST LEADS)

480172 AC Line Splitter (see p. 26)



## MA1500 CAT IV 1500A 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 transients during 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, 9V battery and carrying case

### SPECIFICATIONS

SPECIFICATIONS	MA1500 <span>N</span>
True RMS	Yes
Display counts	40,000/4000 count dual backlit LCD
Jaw size/Cable size	2.0" (52mm); 500MCM
AC Current	1500A
DC Current	1500A
Max resolution	0.01A
Basic ACA Accuracy (% rdg)	±2.8%
AC Voltage (Max Res.)	750V (0.01mV)
DC Voltage (Max Res.)	1000V (0.01mV)
Resistance (Max Res.)	40MΩ (0.01Ω)
Capacitance (Max Res.)	40mF (0.01nF)
Frequency (Max Res.)	40MHz (0.001Hz)
Temperature	-148 to 1832°F (-100 to 1000°C)
Diode/Continuity	Yes
Data Hold	Yes
Min/Max/Peak	Yes
Category Rating	CAT IV-600V
UL/CE	CE
Dimensions/ Weight	11.57x4.13x1.85" (294x105x47mm)/ 18.9oz (536g)
Warranty	1 year



## 380926 CAT IV 2000A AC/DC Clamp Meter

Full range MultiMeter functions with high resolution to 0.1μA/0.1mV and CAT IV-600V Safety Rating

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



## 382400 3000A AC Flexible Clamp Meter

Flexible probe easily wraps around bus bars and cable bundles

- AC Voltage to 600V
- Fast Peak capture (30μs)
- Selectable frequency (50/60Hz)
- Max/Min
- Simultaneously displays Frequency with Current or Voltage
- Auto power off with disable feature
- Complete with 24" (61cm) flexible current probe, carrying case, and 2 AA batteries



Includes CAT IV Test Lead Kit

## 380976-K 1-Phase and 3-Phase 1000A AC Power Clamp Meter

Functions include Power, Current, High Resistance, and Type K Temperature

- True Power, Apparent Power and Reactive Power, plus Horsepower, Power factor, and Phase Angle with Lead/Lag indicator (see p. 60 for details)
- AC+DC μA Current with 10nA resolution for flame rod tests
- Auto power off with disable
- Test Lead Kit includes: two CAT IV-600V 72" (1.8m) lead extensions with right angle and straight end shrouded banana plugs; two modular test probe handles with stainless steel tips; two plunger activated retractable jaw clips; two extra large alligator clips
- Complete with test lead kit, general purpose Type K bead wire probe, case, and 9V battery

380926 <span>N</span>	382400 <span>N</span>	380976-K <span>N</span>
Yes	Yes	Yes
5000 count Backlit LCD	4000 count LCD	9999 count LCD
2" (50mm); 750MCM	Flexible	1.6" (40mm); 500MCM
400.0A, 2000A (Clamp); 400mA (DMM)	300.0A, 1000.0A, 3000A	100.0A, 1000.0A
400.0A, 2000A (Clamp); 400mA (DMM)	—	—
0.1A (Clamp); 0.1μA (DMM)	0.1A	0.010A (Clamp); 0.01μA (DMM)
±2%	±1%	±2% (Clamp), ±1% (DMM)
1000V (1mV)	600V (0.1V)	600V (0.1mV)
1000V (0.1mV)	—	600V (0.1mV)
40MΩ (0.1Ω)	—	100MΩ (0.1Ω)
50μF (10pF)	—	7000μF (1nF)
100kHz (0.001Hz)	45 to 65Hz (0.1Hz)	1kHz (0.1Hz)
—	—	-58 to 1000°F (-50 to 900°C)
Yes	—	Yes
Yes	Yes	Yes
—	Yes	Min/Max
CAT IV-600V	CAT III-600V	CAT III-600V
CE	CE	UL/CE
10x2.9x1.5" (255x73x38mm)/ 14oz (380g)	5.1x3.1x1.7" (130x80x43mm)/ 15oz (430g)	9x3x1.6" (228x76x39mm)/ 16.4oz (465g)
1 year	1 year	1 year