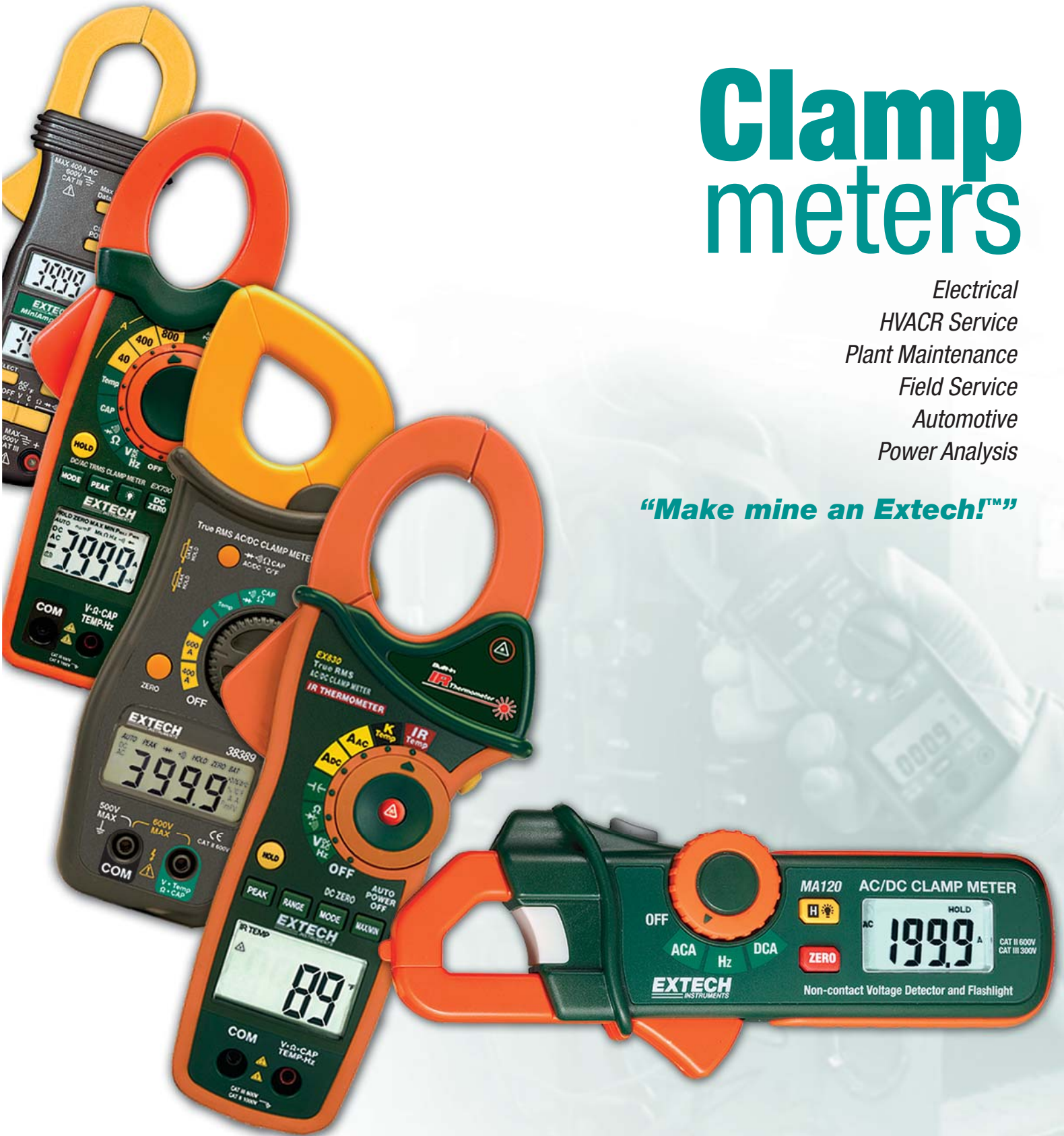


# Clamp meters

Electrical  
HVACR Service  
Plant Maintenance  
Field Service  
Automotive  
Power Analysis

**“Make mine an Extech!”™**



Whatever the application, if AC or DC power is used, the current clamp is an indispensable piece of test equipment. In fact, with its voltage and resistance measuring capabilities, it's possible to make most of the common measurements with a clamp meter. If a service technician could take just one test tool to a job, it would make sense to bring a clamp meter. With more than twenty different models from which to choose, Extech has the clamp meter to meet your specifications.

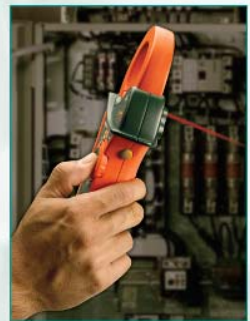
**Selection is the**  **Advantage**

**BUILT IN IR Thermometer**



### EX800 and EX700 Series Clamp Meters

The latest additions to our clamp meter family, the EX800 Series and EX700 Series consist of 1000A and 800A clamp meters respectively. Available in three unique models, the new EX800 Series is the world's first family of clamp meters to feature a built-in InfraRed Thermometer. This unique measurement feature enables technicians to utilize the clamp meter for non-contact surface temperature measurements, which is important when you consider that higher than normal component temperature is often an excellent indicator of imminent failure. Both meters feature a new, rugged, double-molded housing. Other important features include a bright main display, True RMS, and Peak Min/Max with 1ms Peak Capture to measure In-Rush Current. Available in AC only or AC/DC models.



The 1000A EX800 Series features a built-in InfraRed Thermometer

Both EX800 and EX700 series meters are ergonomically designed and feature rugged double molded housings.

Patent pending

### Full-Size General Purpose Clamp Meters

Extech's line of general purpose clamp meters incorporates all of the features technicians need for taking AC or DC current measurements in environments up to 2000A. Features include True RMS, Min/Max, Peak Hold, Audible Continuity, and Data Hold. Jaw sizes range from 0.7" (18mm) to 2.36" (60mm) to accommodate 300MCM to 750MCM.

Full size solutions from general AC electrical work to specialized AC/DC projects



## Mini Clamp Meters

Mini Clamps are the ideal tools for accurately measuring very low AC and DC current. Smaller in size than traditional clamps, they can fit into tight spaces and feature high resolution to 1mA. Extech model 380947 is ideal for basic current measurements up to 400A, and comes with an array of features including True RMS, Min/Max, and Selectable Auto Power Off. The 380941 has the added capabilities of Resistance, Frequency, Diode, and Continuity functions. Those working with DC motors and circuits will appreciate the ease of use of the DC-only DC400 meter.



Added features make these specialty meters powerful and versatile

## Power Clamp Meters

When standard current measurements don't provide enough problem solving information, the application may call for a power clamp or power analyzer. If you need to record current readings over time, the model 382068 datalogger will provide an excellent solution. For the most advanced testing, the model 382095 is a hand-held three-phase power analyzer with a large easy-to-read graphical display. All necessary measurements are available for a comprehensive power system analysis and results are displayed both numerically and graphically.

Power clamp meters are ideal for energy efficiency studies, power factor corrections, and evaluation of distribution systems



Mini clamps are ideal for tight spaces

## Specialty Clamp Meters

Extech offers a selection of specialty clamps with features that make them truly powerful and versatile troubleshooting tools. Ideally suited for the HVAC technician, the MA460+ features a dual display allowing the user to measure current and voltage simultaneously. The MA100 and MA120 have the added benefit of a built-in Voltage Detector as an additional safety feature, and the 390974 features a Phase Rotation testing capability.



# Clamp Meters

## Selection Guide

### EX800 Series, EX700 Series Clamps



Part Number	True RMS	Max Current	Jaw Size	Basic ACA Accuracy	AC Current	DC Current	AC Voltage	DC Voltage	Resistance	Capacitance	Frequency	Temperature (Type K)	IR Thermometer	Peak	NCV and flashlight	Phase Rotation
EX810		1000A	1.7"	±2.8%	•		•	•	•	•		•	•	•		
EX820	•	1000A	1.7"	±2.5%	•		•	•	•	•	•	•	•	•		
EX830	•	1000A	1.7"	±2.5%	•	•	•	•	•	•	•	•	•	•		
EX710		800A	1.2"	±2.8%	•		•	•	•	•				•		
EX720	•	800A	1.2"	±2.5%	•		•	•	•	•	•	•		•		
EX730	•	800A	1.2"	±2.5%	•	•	•	•	•	•	•	•		•		

### Full Size, General Purpose Clamps



38387		600A	1.25"	±1.5%	•		•	•	•					•		
38389	•	600A	1.25"	±3.0%	•	•	•	•	•	•		•		•		
38394		600A	1.2"	±2.0%	•	•	•	•	•		•					
MA200		400A	0.9"	±2.5%	•		•	•	•							
MA220		400A	0.9"	±3.0%	•	•	•	•	•	•	•	•				
380926	•	2000A	2.36"	±2.0%	•	•	•	•	•	•	•					

### Mini Clamps



DC400		400A	1.2"	±3.0%		•										
380942	•	30A	0.9"	±1.5%	•	•	•	•								
380652		200A	0.75"	±1.2%	•	•	•	•	•							
380941		200A	0.9"	±1.0%	•	•	•	•	•	•	•					
380947	•	400A	0.9"	±1.5%	•	•					•					

### Specialty Clamps



MA100		200A	0.7"	±3.0%	•											•
MA120		200A	0.7"	±3.0%	•	•					•					•
380974		1000A	1.6"	±2.0%	•		•		•	•	•			•		•
MA460+		400A	1.1"	±1.9%	•	•	•	•	•	•	•	•				

### Power Clamps



380975	•	1000A	1.6"	±2.0%	•	•	•	•	•	•	•	•				
382075	•	2000A	2.2"	±1.5%	•	•	•	•			•					
382068	•	1000A	1.8"	±1.5%	•	•	•	•	•		•					
382090	•	1000A	1.5"	±1.0%	•		•									
382095	•	1000A	2.2"	±0.5%	•		•									

**Advanced Power Clamp Functions: Datalogging:** 382068, 382090, 382095 **3-Phase:** 382075, 382090, 382095  
**True Power (kw)** all models **Apparent Power:** 380975, 382075, 382090, 382095 **Reactive Power:** 382075, 382090, 382095  
**Power Factor:** all models **Phase Angle:** 380975, 382075, 382090, 382095

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