

# CAT IV 1000A Clamp Meter + IR Thermometer

**Bluetooth Transmitter with MeterLink™ software**

## EX845 CAT IV Clamp Meter Features:

- Patented built-in non-contact IR Thermometer design with laser pointer
- True RMS Current and Voltage measurements
- Peak hold captures inrush currents and Transients
- MultiMeter functions include AC/DC Voltage, Resistance, Capacitance, Frequency, Diode, and Continuity
- 1.7" (43mm) jaw opening for conductors up to 750MCM or two 500MCM
- 4000 count backlit display
- Features include Data Hold and Min/Max and Auto Power off
- Autoranging with manual range button
- Complete with CAT IV test leads, 9V battery, Type K probe (-22 to 572°F/-30 to 300°C), pouch case, and Professional Test Lead Set

## Professional Test Lead Features:

- 8-Piece Professional Test Lead set
- Two 42" (1m) PVC lead extensions with shrouded banana plugs at both ends
- Two modular 4" (102mm) Heavy Duty test probe handles with 0.16" (4mm) banana plug tip
- Two standard size, alligator clips with insulated rubber boot
- Two extra large, double-insulated, alligator clips with sharp teeth for piercing insulated wire. Jaws open to 0.8" (20mm)

**BUILT IN IR**  
**Thermometer**   
Patented



CAT IV -600V safety rating for added protection and **True RMS** feature gives you accurate readings of non-sinusoidal waveforms.



Built-in IR Thermometer with laser pointer is an excellent troubleshooter for locating hot spots and overheating motors.

## MeterLink™

For the first time, temperature measurements taken with your infrared camera will take into account equipment load when calculating temperature rise between phases or fuses. Load measurements from your Extech EX845 Clamp meter are wirelessly transmitted to your FLIR IR camera which will then compute the true temperature rise if that target were operating at full load. This unique technology combination yields the information you need to truly assess component condition.

Specifications	Range	Basic Accuracy
AC Current	0.1 to 1000A	±2.8%
DC Current	0.1 to 1000A	±2.8%
AC Voltage	0.1mV to 1000V	±1.5%
DC Voltage	0.1mV to 1000V	±2.8%
Resistance	0.1 to 40MΩ	±1.5%
Capacitance	0.001nF to 40,000µF	±3.0%
Frequency	0.001kHz to 4kHz	±1.5%
IR Temperature	-58 to 518°F (-50 to 270°C)	±2.0% rdg or ±4°F/±2°C
Type K Temperature	-4 to 1400°F (-20 to 760°C)	±(3%rdg+9°F/5°C)
Continuity	Yes	
Inrush	Yes	
Diode	Yes	
Dimensions	10.6x4.3x2" (270x110x50mm)	
Weight	13.6oz (386g)	

## Ordering Information:

EX845 .....1000A AC/DC True RMS Clamp/DMM+IR Thermometer  
EX845-NISTL\* .....EX845 with NIST Cert.

\*NISTL is a Limited NIST: Product is certified to all functions except IR Thermometer

