

# 400A Dual Input Clamp Meters + IR Thermometer + NCV



**Built-in dual thermocouple inputs**  
For T1, T2, and T1-T2 differential temperature measurement

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

## Common Features:

- True RMS measurements for accurate AC Voltage and Current measurements
- Dual type K thermocouple input with Differential Temperature function (T1, T2, T1-T2)
- Built-in non-contact Voltage detector with LED alert
- DC  $\mu$ A multimeter function for HVAC flame rod Current measurements
- Data Hold plus fast Peak Hold of current surges during motor startup
- 40,000 count multimeter functions for DC Voltage, Resistance, Capacitance, and Frequency for high resolution over wider ranges
- Measures motor capacitors to 40,000 $\mu$ F
- 1.4" (36mm) jaw opening for conductors up to 500MCM
- Rugged double molded housing
- 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 Type K bead wire probes (-4 to 482°F/-20 to 250°C), and case

### EX622 and EX623 Additional Feature

- Built-in non-contact IR Thermometer with laser pointer for locating hot spots
- 8 to 1 distance to target ratio

### EX613 and EX623 Additional Feature

- DC Current function ideal for automotive, heavy equipment and marine applications



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. Find hot spots fast!



Model	EX612	EX613	EX622	EX623
<b>Temperature (IR)</b>	—	—	✓ -58 to 518°F (-50 to 270°C)	✓ -58 to 518°F (-50 to 270°C)
AC Current	400.0A	400.0A	400.0A	400.0A
DC Current	—	✓ 400.0A	—	✓ 400.0A
Max resolution	10mA	10mA	10mA	10mA
Basic ACA accuracy	±1.5%	±1.5%	±1.5%	±1.5%
AC/DC Voltage (Max Res.)	600V (0.1mV)/600V (0.01mV)	600V (0.1mV)/600V (0.01mV)	600V (0.1mV)/600V (0.01mV)	600V (0.1mV)/600V (0.01mV)
DC $\mu$ A Current	4000 $\mu$ A (0.01 $\mu$ A)	4000 $\mu$ A (0.01 $\mu$ A)	4000 $\mu$ A (0.01 $\mu$ A)	4000 $\mu$ A (0.01 $\mu$ A)
Resistance (Max Res.)	40.000M $\Omega$ (0.01 $\Omega$ )	40.000M $\Omega$ (0.01)	40.000M $\Omega$ (0.01)	40.000M $\Omega$ (0.01 $\Omega$ )
Capacitance (Max Res.)	10pF to 40,000 $\mu$ F (0.01nF)	10pF to 40,000 $\mu$ F (0.01nF)	10pF to 40,000 $\mu$ F (0.01nF)	10pF to 40,000 $\mu$ F (0.01nF)
Frequency (Max Res.)	40MHz (0.001Hz)	40MHz (0.001Hz)	40MHz (0.001Hz)	40MHz (0.001Hz)
Temperature (Type K)	-58 to 1832°F (-50 to 1000°C)	-58 to 1832°F (-50 to 1000°C)	-58 to 1832°F (-50 to 1000°C)	-58 to 1832°F (-50 to 1000°C)
Diode Test	< 2.8V	< 2.8V	< 2.8V	< 2.8V
Duty Cycle	0.5 to 99.0%	0.5 to 99.0%	0.5 to 99.0%	0.5 to 99.0%
Dimensions	9x3.1x1.9" (229x80x49mm)	9x3.1x1.9" (229x80x49mm)	9x3.1x1.9" (229x80x49mm)	9x3.1x1.9" (229x80x49mm)

## NIST Ordering Information:

- EX612-NIST .....EX612 with NIST Certificate  
 EX613-NIST .....EX613 with NIST Certificate  
 EX622-NISTL\* .....EX622 with NIST Certificate  
 EX623-NISTL\* .....EX623 with NIST Certificate

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

