

# 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)          |
| Weight                   | 10.7oz (303g)                     | 10.7oz (303g)                   | 10.7oz (303g)                   | 10.7oz (303g)                     |
| Price                    | <b>\$149.99</b>                   | <b>\$179.99</b>                 | <b>\$199.99</b>                 | <b>\$229.99</b>                   |

## 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

