

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 μ 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 μ 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 (-22 to 572°F/-30 to 300°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 |
|--------------------------|-----------------------------------|---------------------------------|---------------------------------|-----------------------------------|
| Temperature (IR) | — | — | ✓ -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 μ A Current | 4000 μ A (0.01 μ A) | 4000 μ A (0.01 μ A) | 4000 μ A (0.01 μ A) | 4000 μ A (0.01 μ A) |
| Resistance (Max Res.) | 40.000M Ω (0.01 Ω) | 40.000M Ω (0.01) | 40.000M Ω (0.01) | 40.000M Ω (0.01 Ω) |
| Capacitance (Max Res.) | 10pF to 40,000 μ F (0.01nF) | 10pF to 40,000 μ F (0.01nF) | 10pF to 40,000 μ F (0.01nF) | 10pF to 40,000 μ 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) |

NIST Ordering Information:

- EX612-NISTEX612 with NIST Certificate
- EX613-NISTEX613 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

