

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 (-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
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

