PRODUCT DATASHEET

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



For T1, T2, and T1-T2 differential temperature measurement



### **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 µA 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 40,000µF
- 1.25" (32mm) 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 general purpose Type K bead wire probes and case

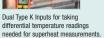
#### **EX622 and EX623 Additional Feature**

- 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







Built-in IR Thermometer for temperature measurements Find hot spots fast!











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Model	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
DC Current	400.0A	_	400.0A
Max resolution	10mA	10mA	10mA
Basic ACA accuracy	±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)
DC μA Current	4000μΑ (0.01μΑ)	4000μΑ (0.01μΑ)	4000μΑ (0.01μΑ)
Resistance (Max Res.)	40.000MΩ (0.01)	$40.000$ Μ $\Omega$ (0.01)	$40.000$ Μ $\Omega$ $(0.01\Omega)$
Capacitance (Max Res.)	10pF to 40,000μF (0.01nF)	10pF to 40,000μF (0.01nF)	10pF to 40,000µF (0.01nF)
Frequency (Max Res.)	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)
Diode Test	< 2.8V	< 2.8V	< 2.8V
Duty Cycle	0.5 to 99.0%	0.5 to 99.0%	0.5 to 99.0%
Dimentions	9x3.1x1.9" (229x80x49mm)	9x3.1x1.9" (229x80x49mm)	9x3.1x1.9" (229x80x49mm)
Weight	10.7oz (303g)	10.7oz (303g)	10.7oz (303g)







### **Ordering Information:**

EX613	400A AC/DC Clamp Meter+Dual Type-K Inputs
EX622	400A AC Clamp Meter+Dual Type-K Inputs+IR
EX623	400A AC/DC Clamp Meter+Dual Type-K Inputs+I

EX613-NIST ......EX613 with Calibration Traceable to NIST EX622-NISTL\* ....EX622 with Calibration Traceable to NIST EX623-NISTL\* ....EX623 with Calibration Traceable to NIST

\*NISTL - Limited NIST for Certificate of Traceability to all functions except IR Thermometer

# **Mouser Electronics**

**Authorized Distributor** 

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## Extech:

EX622 EX623 EX613 EX623-NISTL