EXTECH INSTRUMENTS
A FLIR COMPANY

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PRODUCT DATASHEET

1ϕ 3ϕ 1000A AC Power Clamp Meter

Measures Current, Insulation Resistance, Temperature (Type K) and Power

Including True Power, Apparent Power, and Reactive Power

380976 Features:

- Large dual LCD display (9999 count)
- Measures 1f/3fTrue Power (kW), Apparent Power (kVA), and Reactive Power (kVAR), plus Horsepower (HP), Power Factor, and Phase Angle with Lead/Lag indicator
- AC+DC µA current with 10nA resolution for flame rod tests
- Max/Min recording with elapsed time indication
- Auto Detect AC/DC Voltage measurements with simultaneous frequency display
- Capacitance to 7000µF with 0.001µF resolution
- High Resistance tests to 100MΩ
- Type K, °C/°F switchable, temperature to 1000°F
- Diode and Continuity tests
- Auto power off with disable feature
- 1.6" (40mm) clamp jaw opening
- Complete with test leads, Type K probe (-58 to 482°F/ -50 to 250°C), carrying case and 9V battery

Applications:

- AC Power evaluation
- Motor/Generator installation and repair
- HVAC flame rod tests
- Capture max/min temperature or current values
- Category III rating for industrial measurements

True Power and Phase Indication for enchanced versatility and performance.

Function	Max Range / Resolution	Basic Accuracy
True Power (W):	600kW / 10W	±5%+ 20d
Apparent Power(kVA):	600kVA / 10kVA	±2%+ 20d
Reactive Power (kVAR)	600kVAR/10VAR	±5%+ 20d
Horsepower (HP)	800HP/0.01HP	±5%+ 20d
Phase Angle (f):	-60 to +60° / 0.1°	±6°
AC Current: (Trms):	1000A / 10mA	±2%+ 20d
uA Current (AC+DC) (Trms):	1000µA / 10nA	±1%+ 20d
AC/DC Voltage: (Trms):	600V / 0.1mV	±1%+ 20d
Resistance (Ω):	1000kΩ / 0.1Ω	±1%+ 10d
Resistance (MΩ):	100MΩ / 1kΩ	±5%+ 10d
Capacitance:	7000µF / 1nF	±1.5%+ 5d
Frequency:	40Hz to 1kHz / 0.1Hz	±0.5%+ 2d
Temperature (Type K):	-58 to 1000°F / 0.1°F -50 to 900°C / 0.1°C	±1%+ 2°F ±1%+ 1°C
Dimensions:	9 x 3 x 1.6" (228 x 76 x 39mm)	
Weight:	16.4oz (465g)	

Ordering Information:

380976 .....3-Phase True RMS Power Clamp Meter
380976-NIST .....3-Phase True RMS Power Clamp Meter with Calibration Traceable to NIST
480172 .....AC Line Splitter

c UL us LISTED CE EN 61010-1 CAT III 600V 1 YEAR WARRANTY