EXTECH INSTRUMENTS
A FLIR COMPANY

Experience the Extech Advantage

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-K Features:

- Large dual LCD display (9999 count)
- Measures 1ϕ/3ϕ True 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
- Test Lead Kit includes: two CAT IV-600V 72" (1.8m) lead extensions with right angle and straight end shrouded banana plugs; two modular test probe handles with stainless steel tips; two plunger activated retractable jaw clips; two extra large alligator clips
- Complete with test lead kit, general purpose Type K thermocouple probe, 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%
Apparent Power(kVA):	600kVA / 100VA	±2%
Reactive Power (kVAR)	600kVAR/10VAR	±5%
Horsepower (HP)	800HP/0.01HP	±5%
Phase Angle (f):	-60 to +60° / 0.1°	±6°
AC Current: (Trms):	1000A / 10mA	±2%
uA Current (AC+DC) (Trms):	1000µA / 10nA	±1%
AC/DC Voltage: (Trms):	600V / 0.1mV	±1%
Resistance (Ω):	1000kΩ / 0.1Ω	±1%
Resistance (MΩ):	100MΩ / 1kΩ	±5%
Capacitance:	7000µF / 1nF	±1.5%
Frequency:	40Hz to 1kHz / 0.1Hz	±0.5%
Temperature (Type K):	-58 to 1000°F / 0.1°F	±1%
	-50 to 900°C / 0.1°C	±1%
Dimensions:	9 x 3 x 1.6" (228 x 76 x 39mm)	
Weight:	16.4oz (465g)	

Ordering Information:

380976-K.....3-Phase True RMS Power Clamp Meter Kit
380976-K-NIST ....380976-K w/ Calibration Traceable to NIST Standards
480172.....AC Line Splitter

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

Specifications subject to change without notice.
Copyright © 2008-2011 Extech Instruments Corporation. All rights reserved including the right of reproduction in whole or in part in any form.

07/20/11 - R1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Extech:
380976-K