

# ACD-31P 1000A Clamp-on Power Meter



- TRMS sensing
- AutoVA - Auto Selection of AC Volts, DC Volts or AC Amps
- Measurements:
  - AC/DC Voltage up to 600V, AC Current up to 1000A, Resistance, Frequency
  - Active (W), Reactive (VAR) and Apparent (VA) Power with dual-display Power Factor readout, Temperature
- Optional PC interface capability (RS-232 KIT2)
- Audible continuity
- Auto power off
- Automatic polarity
- Low battery indication
- Peak hold
- Data hold
- Large, easy to read LCD display
- Accommodates conductors up to 1.77" (45mm) in diameter
- Carrying case, test leads, batteries (installed), thermocouple and manual included
- Voltage overload protection for all functions up to 600V AC/DC

## FEATURES

<b>Safety:</b>	CAT III 600V
<b>Instruction Manual:</b>	Yes
<b>Detailed Specs:</b>	Yes
<b>Hi-Resolution Image:</b>	Yes

This instrument combine the standard features of professional clamp-on meters, with full Power analyzing capabilities! Measure: Active (W), Reactive (VAR) and Apparent (VA) Powers along with dual display Power Factor readout. Increase measuring efficiency with an optional PC interface kit.

## SPECIFICATIONS

<b>TRMS:</b>	YES
<b>AC Current:</b>	40.0 / 400.0 / 1000 A
<b>AC Current Basic Accuracy**:</b>	+/- (1.0% Rdg + 5 LSD) @ 50 and 60Hz
<b>DC Voltage:</b>	600.0V
<b>DC Voltage Basic Accuracy**:</b>	+/- (0.5% Rdg + 5 LSD)
<b>AC Voltage:</b>	600.0V
<b>AC Voltage Basic Accuracy**:</b>	+/- (0.5% Rdg + 5 LSD) @ 50 / 60 Hz
<b>Resistance:</b>	999.9 Ohms
<b>Resistance Basic Accuracy**:</b>	+/- (1.0% Rdg + 6 LSD)
<b>Frequency:</b>	5.00Hz to 500.0Hz
<b>Frequency Basic Accuracy**:</b>	+/- (0.5% Rdg + 4 LSD)
<b>Active Power (W):</b>	0 to 600.0 kW
<b>Active Power (W) Basic Accuracy**:</b>	+/- (2.0% Rdg + 6 LSD) @ Harmonics Fund to 10th & PF > 0.7
<b>Reactive Power (VAR):</b>	0 to 600.0 kVAR
<b>Reactive Power (VAR) Basic Accuracy**:</b>	+/- (2.0% Rdg + 6 LSD) @ Harmonics Fund to 10th & PF > 0.7
<b>Apparent Power (VA):</b>	0 to 600.0 kVA
<b>Apparent Power (VA) Basic Accuracy**:</b>	+/- (2.0% Rdg + 6 LSD) @ Harmonics Fund to 10th
<b>Power Factor:</b>	0.10 to 0.99
<b>Power Factor Basic Accuracy**:</b>	+/- 3 LSD @ Harmonics Fund to 21th
<b>Temperature:</b>	-58 F to 572 F (-50 C to 300 C)
<b>Temperature Basic Accuracy**:</b>	+/- (2.0% Rdg + 6F) +/- (2.0 % Rdg + 3C)

## OPTIONAL ACCESSORIES

Part Number	Description
RS-232 KIT2	Data Recording System for Digital Multimeters or Clamp-ons
A47L	Power Line Splitter and Energizer
CT50-1	Ampttran 5000A Clamp-on Current Transformer (50 to 1)
CT50-2	Ampttran 3000A Clamp-On Current Transformer (50 to 1)
DKTA-620	Single to dual temperature adapter
TPK-56	Bead Type-K Thermocouple
VRC-320	Set of Push-On Alligator Clips

## REPLACEMENT PARTS (supplied with product)

Part Number	Description
MTL-90B	Set of Test Leads with Alligator Clips
TPK-59	Thermocouple
SV-U	CASE, UNIVERSAL