



600A Clamp-On Multimeters

Amprobe's ACD-10 PLUS meters offer thinner jaws over standard clamp meters. Allowing access to tight measurement areas and still accomodating conductors up to 25 cm (1 in). Both meters also measure Capacitance and Frequency. Frequency is measured by either jaws or test leads. Very versatile clamp-on multimeters.

ACD-10 PLUS and ACD-10 TRMS-PLUS Clamp on Multimeters with Unique Thin Jaws

- TRMS Measurement (ACD-10 TRMS PLUS)
- AC and DC Voltage to 600V
- AC Current to 600A
- Resistance to 40MΩ with Continuity Buzzer
- Capacitance to 3000 μF
- Frequency measurement
- Hold & Maximum reading functions
- Max Conductor 25.4 mm (1")
- Auto ranging
- Thinner jaws (approx 6.35mm (.25") thinner)
- In Rush current

FEATURES	ACD-10 TRMS-PLUS	ACD-10 PLUS
TRMS Measurement	Yes	N/A
AC Voltage	4.000, 40.00, 400.0, 600V	
DC Voltage	400.0m, 4.000, 40.00, 400.0, 600V	
AC Current	40.00, 400.0, 600A	
Resistance with Continuity Buzzer	0-400.0 Ω, 4.000 kΩ, 40.00 kΩ, 400.0 kΩ, 4.000MΩ, 40.00 MΩ	
Capacitance	500.0nF, 5.000μF, 50.00μF, 500.0μF, 3000μF	
Frequency (Using Jaw or Test Leads)	40-400Hz with Jaw, 10Hz to 100kHz with test leads	



400A Clamp-On Multimeters

These unique mini-clamp meters meet your needs when measuring up to 400 amps. Their compact size make them a handy daily tool to fit into the slightest of tool kits. With an easy to read digital display, Data Hold capability, Analog Bargraph and 10 mA resolution when using the 40A range.

AC40B Clamp Type Digital Multimeter

- Mini-clamp DMM
- 400 A range
- 600 V AC and DC range
- 4000-count display with bargraph
- 10mA resolution in lowest range
- Autoranging
- Data Hold
- Auto-off

Note: Also available as the AD40B mini clamp ammeter.

FEATURES	AD40B	AC40B
AC Voltage	N/A	400.0, 600 V
DC Voltage	N/A	400.0, 600 V
AC Current	40.00, 400.0 A	
Resistance	N/A	400 Ω
Continuity (audible)	Continuous Tone and •))) Display at R < 40 Ω	
Overload Protection	660A for AC current only 660V RMS for all other measurements	



400A Clamp-On Multimeters

The ACD-14 FX is the professionals' choice for both HVAC & Electrical applications due to its complete set of measuring features. Its dual displays allows viewing amperage and voltage measurements simultaneously.

ACD-14 FX & ACD-14 TRMS-FX Dual Display Digital Clamp-On Multimeters

- TRMS Measurement (ACD-14 TRMS-FX)
- Dual Displays - Permits simultaneous reading of Amperage & Voltage
- Micro Amps measurement for testing "Flame Sensors"
- Capacitance to 3000 μ F
- Temperature w/Type-K Thermocouple
- AC and DC Voltage to 600V
- AC current to 400A
- Resistance to 40M Ω
- Continuity Buzzer
- Frequency Measurement
- Auto Power Off
- Auto Ranging
- Hold & Maximum Readings
- Max Conductor 25.4 mm (1")
- In Rush Current



This versatile clamp-on multimeter offers numerous measurement features in a professional sized package. Versatile and rugged for facility maintenance to field service.

ACDC-400 Digital AC/DC Clamp-on Multimeter

- AC/DC Current up to 400A
- AC/DC Voltage up to 600V
- Resistance measurement
- Continuity test
- Data Hold
- MAX/MIN recording
- Relative measurement
- Backlight
- Analog bargraph
- Auto or Manual range selection
- Max Conductor 29.97 mm (1.18")

FEATURES	ACD-14 FX	ACD-14 TRMS-FX	ACDC-400
TRMS Measurement	N/A	Yes	N/A
AC Voltage	4.000, 40.00, 400.0, 600 V		400.0 m, 4.000, 40.00, 400.0, 600 V
DC Voltage	4.000, 40.00, 400.0, 600 V		400.0 m, 4.000, 40.00, 400.0, 600 V
AC Current	40.00 / 400.0 A		40.00 / 400.0 A
DC Current	N/A		40.00 / 400.0 A
AC/DC Micro Amps (Using Test Leads)	400 μ A, 2000 μ A		N/A
Resistance with Continuity Buzzer	0-400.0 Ω , 4.000 k Ω , 40.00 k Ω , 400.0 k Ω , 4.000M Ω , 40.00 M Ω		
Capacitance	500.0nF, 5.000 μ F, 50.00 μ F, 500.0 μ F, 3000 μ F		N/A
Frequency (Using Jaw or Test Leads)	10Hz to 100kHz		N/A
Temperature	-4°F to 572°F (-20°C to 300°C)		N/A



CLAMP-ON METERS



Professional 1000A Clamp-On Meters

ACD-6 PRO & ACD-6 TRMS-PRO 1000A Digital Clamp-ons

These two ACD-6 high current clamp meters also offer multimeter measurements of AC and DC voltage, Resistance and audible continuity. The True RMS version offers improved results when measuring in noisy AC environments. Large digital display.



- TRMS (ACD-6 TRMS-PRO) when measuring in noisy AC environments
- AC Current to 1000A
- AC/DC voltage to 600V
- Resistance to 40 MΩ
- Diode Test
- Extra large digital display for easy viewing
- Audible continuity
- Max conductor 45 mm (1.77")
- Includes carrying case



AD105A True RMS 1000 Amp Ammeter, AC and DC

A clamp ammeter designed for electrical contractors, electricians, and industrial plant maintenance personnel. The AD105A measures AC and DC current up to 1000 Amps. Frequency is measured by jaw up to 10kHz. Max Conductor of 50 cm (2 in).



- TRMS when measuring in noisy AC environments
- Wide range to 1000 Amps, AC and DC
- Measures frequency through the jaws or test leads
- Autoranging
- 4000-count
- Belt-clip carrying case included
- CAT III 1000 V rated



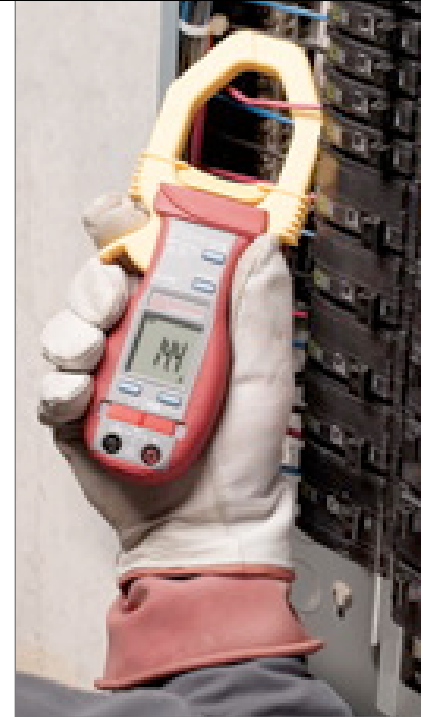
FEATURES	ACD-6 PRO	ACD-6 TRMS-PRO	AD105A
TRMS Measurement	N/A	N/A	Yes
AC Voltage	4.000, 40.00, 400.0, 600V		N/A
DC Voltage	400.0m, 4.000, 40.00, 400.0, 600V		N/A
Resistance	400.0 Ω 4.000 / 40.00 / 400.0 kΩ 4.000 / 10.00 MΩ		N/A
AC Current	400.0 / 1000 A		400, 1000 A
DC Current	N/A	N/A	400, 1000 A
Frequency	N/A	N/A	1 Hz to 4 kHz

Professional 1000A Clamp-On Meters

ACDC-100 & ACDC-100 TRMS 1000A Digital Clamp-on Multimeters

Where accuracy, quality, and newest technology meet. The ACDC-100 offers superior AC/DC measurement capabilities, highest product quality and enhanced ergonomics. The TRMS version addresses needs of professionals who rely on performance and reliability.

- TRMS & Backlight Screen (ACDC-100 TRMS)
- Auto and manual ranging
- Relative zero mode
- Auto power off
- MAX capture function for in-rush current measurements (30 mS response)
- Data hold
- Audible continuity
- Max conductor 50 mm (2.00")
- Large digital display
- Carrying case, test leads, batteries and user manual included



Professional 2000A Clamp-On Meters

ACD-15 PRO & ACD-15 TRMS-PRO 2000A Digital Clamp-on Multimeters

The ACD-15 PRO clamp meter for when you need to measure high current. Measures up to 2000A AC. Plus it measures AC and DC voltage, resistance and offers audible continuity. Additional feature is a built in non-contact voltage detector. Choose the True RMS version when working in noisy AC environments. Large digital display.

- TRMS & Backlight Screen (ACD-15 TRMS Pro)
- Measurements: AC/DC Voltage up to 600V, AC Current up to 2000A, Resistance, Frequency and Capacitance
- Non-contact Voltage Level Detection
- Audible continuity
- AutoTect™ feature automatically selects DCV, ACV or Resistance Ω
- Auto and manual ranging
- Auto power off
- Data hold
- Max conductor 45 mm (1.77")
- Carrying case, test leads, batteries (installed) and manual included



CLAMP-ON METERS

FEATURES	ACDC-100	ACDC-100 TRMS	ACD-15 PRO	ACD-15 TRMS-PRO
TRMS Measurement	N/A	Yes	N/A	Yes
AC Current	400.0 / 800 A		600.0 / 2000 A	
DC Current	400.0, 1000 A		N/A	
Voltage AC/DC	600V		6.000, 60.00, 600.0V	
Resistance	400.0, 4.000k, 40.00k, 400.0, 4.000M, 40.00 M Ω		6.000k, 60.00k, 600.0k, 6.000 M Ω	
Frequency	N/A		10Hz to 1kHz	
Capacitance	500.0nF, 5.000, 50.00, 500.0, 3000 μ F		100.0, 1000 nF 10.00, 100.0, 2000 μ F	
Non-contact Voltage	N/A		Yes	

Specialty Clamp-On Multimeters

AC75B Three tools in one: clamp meter, multimeter and thermometer

Custom designed to make HVAC/R Service, Electrical, and Industrial maintenance tasks faster and easier.

- 600A ac Current
- Digital thermometer 400 °C (1000 °F) , Type K probe included
- AC/DC 750 V/1000 V
- 40 MΩ Resistance
- Low dc μA Amps for flame rod detector testing
- Capacitance to 4000 μF for motor run/start testing
- Continuity beeper
- 4000-count large digit display
- Jaw size 35 mm (1.3")
- Auto power off
- Full overload protection



AC71B Automatic AC Clamp Multimeter

Automatic AC clamp meter with two unique features: AutoTect™ and automatic backlight. The AutoTect feature senses what type of measurement is being made across the test leads. The automatic bright blue backlight has a sensor that recognizes when the ambient light becomes dim and turns itself on.

- AutoTect™ Function – automatically selects ac volts, dc volts or resistance
- Automatic bright blue backlight
- Easy one-button control
- AC current to 600 A
- AC volts to 750 V
- DC volts to 1000 V
- Resistance and Continuity Beeper
- Data Hold
- Max Conductor 32 mm (1.25")



AC68C AC/DC TRMS 600A Clamp Meter

- Measures non-linear load current
- True RMS reading
- Autoranging for frequency measurement
- Data Hold button, holds the display reading for all functions and ranges
- Measures frequency through jaws or test leads
- Low battery indicator
- DC current (Zero adjustment button)
- Peak Hold, converts and displays the peak value for ac volts and amps readings
- Carrying case included



Leakage Clamp-on Meters

The compact size of these two meters make them ideal for taking measurements on small conductors. Their excellent accuracy and resolution offer exceptional performance.

LH41A AC/DC Low Current Clamp Meter

- Measures AC and DC current into the low milliamp range up to 40A
- Auto Zero DC for correct measurement every time
- High 1 mA current resolution for quick circuit comparison on sensor and control circuits
- Auto power off function

AC50A Leakage Current Clamp Multimeter

- AC current measurement to 60 A
- Leakage current measurements with resolution of 0.01 mA
- AC voltage to 400 V
- Resistance measurement and continuity beeper
- Min/Max control to see largest and smallest values



Recording Clamp-On Multimeters

Need the perfect tool to troubleshoot a system? These clamp-ons provide a full range of measurements, enhanced with data logging capabilities, to catch what the eye can't see. Double the efficiency, with an optional PC interface kit (RS-232 KIT2).

ACD-16 PRO & ACD-16 TRMS-PRO

1000A Data-Logging Clamp-on Multimeters

- TRMS & Backlight Screen (ACD-16 TRMS Pro)
- Measurements: AC/DC Voltage up to 600V, AC Current up to 1000A, Resistance, Frequency and Temperature
- Data-logging 5400 points
- Audible continuity
- Auto power off
- Automatic polarity
- Data hold
- Max conductor 45 mm (1.77")
- "Third hand" - test probe holder



CLAMP-ON METERS



FEATURES	AC75B	AC71B	AC68C	AC50A	LH41A	ACD-16 PRO	ACD-16 TRMS-PRO
TRMS	N/A		Yes	N/A		Yes	
AC Voltage	4.000, 40.00, 400.0, 750 V	1.3 V to 750.0 V	600V	400.0 V	N/A	600.0V	
DC Voltage	4.000, 40.00, 400.0, 1000 V	1.8 V to 1000.0 V	400.0, 600V	N/A		600.0V	
AC Current	400.0, 600 A			40.00m, 400.0m, 4.000, 40.00, 60.0A	4.000, 40.00A	40.0 / 400.0 / 1000 A	
DC Current	400.0, 4000 A	N/A	400.0, 600A	N/A	4.000, 40.00A	N/A	
Resistance	400, 4 k, 40 k, 400 k, 4 M, 40 MΩ	100.0 Ω	4.000 kΩ	400.0Ω	N/A	999.9Ω	
Continuity	Yes				N/A		
Capacitance	4 n, 40 n, 400 n, 4Ω, 40 Ω, 400 Ω, 4 mF	N/A					
Frequency	N/A		4.000kHz, 20.00kHz	N/A		5.00Hz to 500.0Hz	
Temperature	0 °C, 400 °C (32 °F, 750 °F, 1000 °F)	N/A		N/A		-50 °C to 300 °C (-58 °F to 572 °F)	

Product Specific Optional Accessories: The ACD-16 PRO and ACD-16 TRMS-PRO are compatible with RS-232 KIT2, RS-USB and Download Suite. See page 42 for details.

Industrial Clamp-on Multimeters

ACDC-620T Digital AC/DC Clamp-on Multimeter

- TRMS Measurement
- AC/DC Voltage up to 1000V, AC/DC Current up to 1000A, Resistance, Capacitance, Temperature, and Continuity Buzzer
- Dynamic Min/Max/Avg recording
- In-rush Peak Current capture (1 mS response)
- Temperature measurement
- Dual Display of °F & °C readings
- Continuity Buzzer
- Reading Hold function
- Auto/Manual Ranging and Auto Power Off
- Max conductor 52 mm (2.04")
- Analog Bar Graph indicator

ACDC-3000 Digital AC/DC Clamp-on Multimeter

- TRMS Measurement
- AC Voltage up to 750V, DC Voltage up to 1000V, AC/DC Current up to 1000A, Resistance, Frequency, % Duty Cycle, Continuity Buzzer
- Dynamic Recording of Max, Min and Average readings
- In-rush Peak Current capture (1 mS response)
- Dual Display of Amp & Freq., Amps & Duty Cycle, Voltage & Freq., Voltage & Duty Cycle
- 43 Segment, High speed, Analog Bar Graph
- Continuity Buzzer
- Auto/Manual Ranging and Auto Power Off

ACD-330T Digital AC Clamp-on Multimeter

- TRMS sensing
- AC/DC Voltage up to 1000V, AC Current up to 1000A, Resistance, Continuity Buzzer, Frequency
- Dynamic Min/Max/Avg Recording
- In-rush Peak Current capture (1 mS)
- Reading Hold function
- Dual Display of Frequency with Current or Voltage
- Continuity Buzzer and Diode Test
- Max Conductor 52 mm (2.04")
- Auto/Manual ranging
- Auto power off

FEATURES	ACDC-620T	ACDC-3000	ACD-330T
AC Voltage	400.0, 1000V	4.000, 40.00, 400.0, 750V	400.0, 1000V
DC Voltage	400.0, 1000V	4.000, 40.00, 400.0, 1000V	400.0, 1000V
AC Current	400.0, 1000A	40.00, 400.0, 1000A	400.0, 1000A
DC Current	400.0, 1000A	40.00, 400.0, 1000A	N/A
AC + DC TRMS Voltage	N/A	4.000, 40.00, 400.0, 750V	N/A
AC + DC TRMS Current	N/A	40.00, 400.0, 1000A	N/A
Resistance	400.0Ω, 4.000 kΩ	400.0kΩ, 4.000MΩ, 40.00MΩ	400.0Ω, 4.000 kΩ
Capacitance	400.0, 4000 μF	N/A	N/A
Frequency	N/A	10.00-199.99 Hz, 1999 Hz, 2.00-19.99 kHz, 199.9 kHz	100, 1000 Hz
Temperature	-40 °C to 1372 °C- (40 °F to 2500 °F)	N/A	N/A
% Duty Cycle	N/A	0.0-99.9%	N/A
In-rush Peak Current Max (Ac or DC)	Yes	Yes	Yes
Continuity Buzzer	Yes	Yes	Yes
Diode Test	Yes	Yes	N/A



Power Quality Clamp-Ons

These instruments combine the standard features of professional clamp-on meters, with full Power analyzing capabilities. Increase measuring efficiency using the ACD-31P or ACD-41PQ with an optional PC interface kit (RS-232 KIT2). View individual harmonics using the ACD-56 HPQ.

ACD-31P & ACD-41PQ 1000A Power Quality Clamp-on Power Meters

- TRMS sensing and Backlight Screen
- Measures Total Harmonics Distortion (ACD-41PQ)
- Voltage to 600V, Current to 1000A
- Resistance, Frequency & Temperature
- Active (W), Reactive (VAR) and Apparent (VA) Power with Power Factor
- Auto VA - Auto Selection of AC Volts, DC Volts or AC Amps (ACD-41PQ)
- Optional PC interface capability
- Audible continuity
- Low battery indication
- Peak hold and Data hold
- Max conductors 45 mm (1.77")
- "Third hand" - test probe holder
- Voltage overload protection for all functions up to 600V AC/DC

ACD-56 HPQ 2000A Power Quality Clamp-on Multimeter

- TRMS & Backlight Screen
- AC/DC Voltage up to 600V
- AC Current up to 2000A
- Resistance
- Frequency
- Capacitance
- Non-contact Voltage Level Detection
- Audible continuity
- Auto and manual ranging
- Auto-check feature automatically selects DCV, ACV or Resistance Ω
- Auto power off
- Automatic polarity
- Low battery indication
- Data hold
- Max conductors 45 mm (1.77")
- Carrying case, test leads, batteries



CLAMP-ON METERS

FEATURES	ACD-31P	ACD-41PQ	ACD-56 HPQ
TRMS Measurement	Yes		Yes
AC Current	40.00 / 400.0 / 1000 A		0 - 399.9 A
Voltage AC/DC	600.0 V		1.6 - 599.9 V
Resistance	999.9 Ohms		0 - 499.9 / 999 / 1999 Ohms
Frequency	5.00Hz to 500.0 Hz		40.0 - 399.9 Hz
Active Power (W)	0 to 600.0 kW		N/A
Reactive Power (VAR)	0 to 600.0 kVAR		N/A
Apparent Power (VA)	0 to 600.0 kVA		N/A
Power Factor	0.10 to 0.99		0.20 - 1.00
THD-R	N/A	0.0% to 99.9%	N/A
THD-F	N/A	0.0% to 99.9%	N/A
Temperature	-50 °C to 300 °C (-58 °F to 572 °F)		N/A
AC Peak Voltage	N/A		10 to 850 V @ 1ms Rt
AC Peak Current	N/A		10 to 800 A @ 1ms Rt
Voltage / Current Harmonics	N/A		THD, Individual harmonics 1 to 25

Product Specific Optional Accessories: The ACD-31P and ACD-41PQ are compatible with RS-232 KIT2, RS-USB and Download Suite. See page 42 for details.

