

# LAV21 RMS (-T), LAV3 RMS (-T), LAA3 RMS (-T) Multi Channel Volt/Amp Recorders



- ▶ Time sharing capabilities - channels are recorded sequentially
- ▶ Chart paper stores readings for future reference
- ▶ Three selectable recording speeds
- ▶ Take up (-T) models reroll chart inside recorder
- ▶ Easy to use
- ▶ Durable and dependable

Features	LAV21 RMS and LAV21 RMS -T	LAV3 RMS and LAV3 RMS -T	LAA3 RMS and LAA3 RMS -T	Accuracy
Number of phases recorded simultaneously	Single phase voltage and current	Three phase voltage (can record single phase)	Three phase current (can record single phase)	
AC Voltage	0-150/ 300/ 600 V	0-150/ 300/ 600 V	N/A	± 3% Full scale @ 50-70 Hz
AC Current	0-15/ 60/ 150/ 300 A	N/A	0-15/ 60/ 150/ 300 A	± 3% Full scale @ 50-70 Hz
Chart paper, 30 foot roll	300SVA	830AV600	300SVA	
Chart paper, 60 foot roll ("–T" models only)	300SVA-6 (for LAV21 RMS-T only)	830AV600-6 (for LAV3 RMS-T only)	300SVA-6 (for LAA3 RMS-T only)	
Rolls paper back after recording	LAV21 RMS-T only	LAV3 RMS-T only	LAA3 RMS-T only	

Chart speed (sampling rate)	Total time of continuous recording with 30 foot paper	Total time of continuous recording with 60 foot paper (-T models only)
1"/hr (measurement every 60 sec)	15 days	30 days
6"/hr (measurement every 10 sec)	2 days and 12 hours	5 days
12"/hr (measurement every 5 sec)	1 day and 6 hours	2 days and 12 hours

Optional Accessories	Part Number
Line splitter (Energizer)	A47L
5000A Clamp-on Current Transformer (50 to 1)	CT50-1
3000A Clamp-on Current Transformer (50 to 1)	CT50-2
600A Clamp-on Current Transformer (10 to 1)	A50-1

Replacement Parts (supplied with product)	Part Number
Power cord 2 prong (older recorders)	PL-70
Meter input cord, Black	VL-71B
Meter input cord, Red (LAV-3, LAA-3)	VL-72R
Meter input cord, Green (LAV-3, LAA-3)	VL-73G
Alligator adapter cord, Black	RAL-4
Alligator adapter cord, Red (LAV-3, LAA-3)	RAL-4R
Alligator adapter cord, Green (LAV-3, LAA-3)	RAL-4G
Instruction manual	www.amprobe.com



A70FL

# PAV3X-T, PAVA83-12, PAVA83-T Single Channel, Amp or Expanded Scale Voltage Recorders

- ▶ PAV3X-T - Single phase volt recorder
- ▶ PAVA83 - Single phase Volt or Amp recorder (capable of recording either volts or amps depending on user setup)
- ▶ Expanded scale (scale does not start at zero) provides high accuracy of readings
- ▶ Amp range of PAVA83 is expandable to 5000A with current transformers

Features	PAV3X-T	PAVA83-12	PAVA83-T	Accuracy
AC Voltage - Single phase	95-130/ 190-260 V	95-130/ 190-260/ 380-520 V		± 1.25% Full Voltmeter scale @ 60Hz
AC Current - Single phase	N/A	0-10/ 50/ 250/500 A		± 3% Full Ammeter scale @ 60Hz
Frequency	60 Hz			
Chart paper speed	Selectable 1", 12" or 24" per hour	12" per hour	Selectable 1", 12" or 24" per hour	
Rolls paper back after recording	Yes	N/A	Yes	
Chart paper (30 foot)	835X3A	835X3A for Voltage 850A for Amperage		
Chart paper (60 foot)	835X3A-6	N/A	835X3A-6 for Voltage 850A-6 for Amperage	

Chart speed (sampling rate)	Total time of continuous recording with 30 foot paper	Total time of continuous recording with 60 foot paper (-T models only)
1"/hr (measurement every 60 sec)	15 days	30 days
12"/hr (measurement every 5 sec)	1 days and 6 hours	2 days and 12 hours
24"/hr (measurement every 2.5 sec)	15 hours	1 day and 6 hours

Optional Accessories	Part Number	Replacement Parts (supplied with product)	Part Number
Line splitter (Energizer)	A47L	Power cord 2 prong (older recorders)	PL-70
5000A Clamp-on Current Transformer (50 to 1)	CT50-1	Meter input cord	VL-71B
3000A Clamp-on Current Transformer (50 to 1)	CT50-2	Current transducer (for PAVA83-12 and PAVA83-T)	A70FL
600A Clamp-on Current Transformer (10 to 1)	A50-1	Alligator adapter cord	RAL-4

# LAW78KWH-12, LAW78KWH-T12, LAW78KWH-T2 Analog Power Recorders

- ▶ Records Working Power (kW) and Reactive Power (kVAR)
- ▶ Measures Energy (kWh)
- ▶ Works with single and three phase systems up to 800 Amps and 550V
- ▶ Easy to use
- ▶ Durable and dependable



Features	LAW78KWH-12	LAW78KWH-T12	LAW78KWH-T2	Accuracy
Working power	0-30/ 60/ 120/ 240/ 960 kW			± 3% Full Watts scale
Reactive power	0-30/ 60/ 120/ 240/ 960 kVAR			± 3% Full VAR scale
Chart speed	12"/hr	12"/hr	2"/hr	
Chart Paper, 30 foot	896W	896W	896W	
Chart Paper, 60 foot (-T models)	N/A	896W-6	896W-6	
Rolls paper back after recording	N/A	Yes	Yes	

Chart speed (sampling rate)	Total time of continuous recording with 30 foot paper	Total time of continuous recording with 60 foot paper (-T models only)
2"/hr (measurement every 2.5 minutes)	7 days and 12 hours	15 days
12"/hr (measurement every 25 sec)	1 day and 6 hours	2 days and 12 hours

Optional Accessories	Part Number	Replacement Parts (supplied with product)	Part Number
Line splitter (Energizer)	A47L	Power cord	PC-4
		Voltage test leads (set of four)	DVL-1
		Instruction manual	www.amprobe.com

# ACD-10 TRMS Pro, ACD-10 Pro, ACD-14 Tech Clamp Digital Clamp-on Multimeters



ACD-10 TRMS Pro



ACD-10 Pro



ACD-14

- ▶ TRMS Measurement (ACD-10 TRMS Pro only)
- ▶ AC and DC Voltage to 600V
- ▶ AC Current to 400A
- ▶ Resistance to 40MΩ with Continuity Buzzer
- ▶ Capacitance to 3000 mF
- ▶ Frequency measurement
- ▶ Diode test
- ▶ Hold and Maximum reading functions
- ▶ Temperature measurement (ACD-14 only)
- ▶ Dual Display (ACD-14 only)
- ▶ Accommodates conductors up to 1.02" (26mm) in diameter
- ▶ Auto ranging
- ▶ Auto power off and low battery indication
- ▶ Rubber over-molded case
- ▶ Overload protected
- ▶ Safety: CE, UL
  - Cat II 600 V and Cat III 300 V (ACD-10 TRMS Pro & ACD-10 Pro)
  - CAT III 600V (ACD-14)
- ▶ Limited Life Time Warranty

Features	ACD-10 TRMS Pro	ACD-10 Pro	ACD-14	Accuracy
TRMS measurement	Yes	N/A	N/A	
AC Voltage	4.000V, 40.00V, 400.0V, 600 V			±1.5% Rdg + 5 LSD @ (4.000V, 40.00V, 400.0V) **
DC Voltage	0-400.0 mV, 4.000V, 40.00V, 400.0V, 600 V			±0.5% Rdg + 3 LSD @ (4.000V, 40.00V, 400.0V) **
AC Current	0-40.00A, 400.0A			±1.9% Rdg + 8 LSD **
AC/DC Micro Amps (Using Test Leads)	N/A	N/A	400.0μA, 2000μA	DC: ±1.5% Rdg + 4 LSD ** AC: ±2.0% Rdg + 5 LSD **
Resistance with Continuity Buzzer	0-400.0Ω, 4.000kΩ, 40.00 kΩ, 400.0 kΩ, 0-4.000MΩ, 40.00 MΩ			±0.6% Rdg + 4 LSD @ (4.000kΩ, 40.00kΩ, 400.0kΩ) **
Capacitance	500.0nF, 5.000μF, 50.00μF, 500.0μF, 3000μF			±3.5% Rdg + 6 LSD
Frequency (Using Jaw or Test Leads)	40-400Hz with Jaw, 10Hz to 2kHz with test leads		10Hz to 100kHz with test leads	±0.5% Rdg + 4 LSD
Temperature	N/A	N/A	-4°F to 572°F (-20°C to 300°C)	±2.0% Rdg + 6°F

Optional Accessories	Part Number	Replacement Parts (supplied with product)	Part Number
Line Splitter (Energizer)	A47L	Test leads with set of alligator clips (alligator clips not supplied with product)	MTL-90B
5000A Clamp-on Current Transformer (50 to 1)	CT50-1	Carrying case	SV-U
3000A Clamp-on Current Transformer (50 to 1)	CT50-2	Bead Type-K Thermocouple (with banana plugs)	TPK-59
600A Clamp-on Current Transformer (10 to 1)	A50-1	Instruction Manual	www.amprobe.com
Temperature Adapter	TMA-1		
Temperature Adapter	TMA-K		
Alligator Clips (For test leads)	VRC-320		

\*\*For other ranges see website (<http://www.advancedtestproducts.com>)

# ACD-330T

## Digital AC Clamp-on Multimeter

- ▶ TRMS sensing
- ▶ Dynamic Min/Max/Avg Recording
- ▶ In-rush Peak Current capture (1 mS response)
- ▶ Dual Display of Frequency with Current or Voltage
- ▶ Continuity Buzzer and Diode Test
- ▶ Reading Hold function
- ▶ Maximum jaw opening 2.04" (52mm)
- ▶ Auto/Manual ranging
- ▶ Auto power off
- ▶ Low Battery indicator
- ▶ Overload protection on all ranges
- ▶ Safety designed to UL, ULc, CE, & IEC Standards
- ▶ Limited Life Time Warranty



ACD-330T

Features	Range & Resolution*	Basic Accuracy
AC Voltage	0-399.9, <b>1000 V</b>	± 1% Rdg + 3 LSD
DC Voltage	0-399.9, <b>1000 V</b>	± 1.5% Rdg + 3 LSD
AC Current	0-399.9, <b>1000 A</b>	± 3% Rdg + 5 LSD @ 65 - 400Hz, 400-700A
Resistance	0-399.9, <b>4000 Ω</b>	± 1% Rdg + 3 LSD
Continuity Buzzer	< <b>10.0 Ω</b>	± 3.5% Rdg + 6 LSD
Frequency Measurements	10.00-99.99 Hz, <b>1000.0 Hz</b>	± 0.2% Rdg + 4 LSD

Optional Accessories	Part Number
Line splitter (Energizer)	A47L
Amptan 50-1 Current Transformer, 5000 Amps Max.	CT50-1
Amptan 50-1 Current Transformer, 3000 Amps Max.	CT50-2
Alligator Clips (For test leads)	VRC-320

Replacement Parts (supplied with product)	Part Number
Test leads with set of alligator clips (alligator clips not supplied with product)	MTL-90B
Carrying case	CC-ACDC
Instruction Manual	www.amprobe.com

# DLC-100

## Digital, Low Current, AC Clamp-on Multimeter



DLC-100

- ▶ AC Current readings from **10 microamps**
- ▶ Perfect for leakage current testing or any low current measurement
- ▶ AC Current to 100
- ▶ AC Volts to 400
- ▶ Ohms to 400
- ▶ Continuity Buzzer
- ▶ Reading Hold function
- ▶ Max/Min function
- ▶ Analog Bar Graph Display
- ▶ Push Button Zero
- ▶ Limited Life Time Warranty

Features	Range & Resolution*	Accuracy
AC Current	0-39.99 mA, 399.9 mA, 3.999 A, 39.99 A, <b>100 A</b>	± 1.0% Rdg + 3 LSD @ 50/60Hz, 0-40A**
AC Voltage	0- <b>399.9 V</b>	± 1.0% Rdg + 3 LSD @ 50/60Hz**
Resistance	0- <b>399.9 Ω</b>	± 1% Rdg + 3 LSD
Continuity Buzzer	< <b>38 Ω</b>	

Optional Accessories	Part Number
Line splitter (Energizer)	A47L
Deca-Tran 10-1 Current Transformer, 1200 Amps Max.	A50-1
Alligator Clips for Test Leads	VRC-320

Replacement Parts (supplied with product)	Part Number
Test leads with set of alligator clips (alligator clips not supplied with product)	MTL-90B
Carrying Case (soft vinyl)	SV-U
Instruction Manual	www.amprobe.com

# DRS-1

## Digital AC Clamp-on



DRS-1

- ▶ AC/DC Volts to 600V
- ▶ AC Amps to 600A
- ▶ Ohms to 199.9Ω
- ▶ Small jaw profile allows measurement in confined spaces
- ▶ Hold feature
- ▶ Safety: CAT III 600V, UL, CE
- ▶ Limited Life Time Warranty

Features	Range & Resolution*	Accuracy
AC Voltage	0-199.9, 600V	± 1.2% Rdg + 3 LSD @ 50-400Hz
DC Voltage	0-600V	± 0.9% Rdg + 2 LSD
AC Current	0-199.9, 600A	± 1.9% Rdg + 8 LSD (200A Range) ± 2.5% Rdg + 5 LSD (600A Range)
Resistance	0-199.9 Ω	± 1.5% Rdg + 2 LSD

Optional Accessories	Part Number
Line splitter (Energizer)	A47L
5000A Clamp-on Current Transformer (50 to 1)	CT50-1
3000A Clamp-on Current Transformer (50 to 1)	CT50-2
600A Clamp-on Current Transformer (10 to 1)	A50-1
Alligator Clips (For test leads)	VRC-320

Replacement Parts (supplied with product)	Part Number
Test leads with set of alligator clips (alligator clips not supplied with product)	MTL-90B
Carrying case	SV-U
Instruction manual	www.amprobe.com

\*We use a special notation to indicate range AND resolution using a single number. For example: number 40.00 indicates range of 40 and resolution 0.01 (two digits after the point with the 1 as an increment, unless otherwise specified).  
\*\*For other ranges see website (<http://www.advancedtestproducts.com>)

# ACD-8A, ACD-9A Digital AC Clamp-on Multimeter

- ▶ Measure AC Amps, AC/DC Volts and Ohms
- ▶ Captures in-rush current
- ▶ 40-400 Hz Frequency response
- ▶ Reading Hold
- ▶ Low battery & Over-range indicators
- ▶ Robust & easy to use
- ▶ Limited Life Time Warranty

Features	ACD-8A	ACD-9A	Basic Accuracy
AC Current	0-199.9, <b>300 A</b>	0-199.9, <b>999 A</b>	± 2% Rdg + 2 LSD
AC Voltage	0-199.9, <b>999 V</b>		± 2% Rdg + 1 LSD
DC Voltage	0-199.9, <b>999 V</b>		± 0.75% Rdg + 1 LSD
Resistance	0-199.9, <b>1999 Ω</b>		± 2% Rdg + 1 LSD
In rush current capture	0 - <b>300 A</b>	0 - <b>999 V</b>	
Maximum jaw opening	1" (25.4mm)	2" (50.8mm)	

Optional Accessories	Part Number
Line splitter (Energizer)	A47L
Ampttran 50 to 1 Current Transformer. 5000 Amps Max	CT50-1
Ampttran 50 to 1 Current Transformer. 3000 Amps Max.	CT50-2
Alligator Clips for test leads	VRC-320

Replacement Parts (supplied with product)	Part Number
ACD-8A Standard Test Leads	DTL-3
ACD-9A Standard Test Leads	DTL-2
Ohms adapter	OHB-4HE
Replaceable probe tips	VPT
Fuse for OHB-4HE Ohms adapter	8AG-360-x023 ACD-8A
ACD-8A Carrying case	AE-2
ACD-9A Carrying case	AE
Deluxe carrying case	ADM
Instruction Manual	www.amprobe.com



ACD-8A



ACD-9A



ACD-11

# ACD-11 Digital AC Clamp-on Multimeter

- ▶ AC Volts to 750
- ▶ AC Amps to 1000
- ▶ Ohms to 40K
- ▶ Continuity Buzzer
- ▶ Maximum jaw opening 2.14" (54.5 mm)
- ▶ Reading Hold function
- ▶ Auto Ranging
- ▶ Limited Life Time Warranty

Features	Range & Resolution*	Basic Accuracy
AC Voltage	0-400.0, <b>750 V</b>	± 1.2% Rdg + 3 LSD
AC Current	0-400.0, <b>1000 A</b>	± 2% Rdg + 5 LSD @ 0-400.0A ± 2.5% Rdg + 5 LSD @ 400.0 -1000A
Resistance	200-4000Ω, <b>4.00K-40.00K Ω</b>	± 2% Rdg + 5 LSD @ (200Ω - 40.00kΩ)
Continuity Buzzer	<100 Ω	± 3.5% Rdg + 6 LSD

Optional Accessories	Part Number
Energizer (Line splitter)	A47L
Ampttran 50 to 1 Current Transformer, 5000 Amps Max.	CT50-1
Ampttran 50 to 1 Current Transformer, 3000 Amps Max.	CT50-2
Alligator Clips (For test leads)	VRC-320

Replacement Parts (supplied with product)	Part Number
Standard carrying case	SV-U
Deluxe carrying case	ADM
Test leads with set of alligator clips (alligator clips not supplied with product)	MTL-90B
Instruction Manual	www.amprobe.com

\*We use a special notation to indicate range AND resolution using a single number. For example: number 40.00 indicates range of 40 and resolution 0.01 (two digits after the point with the 1 as an increment, unless otherwise specified).

# ACDC-3000

## Digital AC/DC Clamp-on Multimeter

- ▶ 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
- ▶ Diode Test
- ▶ Auto/Manual Ranging
- ▶ Auto power off
- ▶ Designed to meet UL, ULc, CE, TUV, & IEC 1010
- ▶ CATIII-600 Volt
- ▶ Safety Hand-guard design



ACDC-3000

Features	Range & Resolution*	Accuracy
AC/DC Voltage	0-3.999, 39.99, 399.9, <b>1000V</b>	± 0.5% Rdg + 3 LSD @ 0-399.9V DC** ± 1.5% Rdg + 5 LSD @ 40-400Hz, 0-750V AC**
AC/DC Current	0-39.99, 400.0, <b>1000 A</b>	± 1.5% Rdg + 3 LSD @ 40-400V DC** ± 2% Rdg + 5 LSD @ 40-65Hz, 40-400V AC**
AC + DC TRMS Voltage	0-3.999, 39.99, 399.9, <b>750 V</b>	± 2.5% Rdg + 9 LSD @ 40-400Hz**
AC + DC TRMS Current	0-39.99, 400.0, <b>1000 A</b>	± 3.5% Rdg + 9 LSD @ 40-65Hz, 40-400V**
Resistance	0-399.9 Ω, 3999 Ω, 4.00- <b>39.99 K</b> Ω, 40.0-399.9 K Ω, 0.400-3.999 M Ω, 39.99 M Ω	± 1% Rdg + 3 LSD @ 400Ω-4MΩ**
Frequency	10.00-199.99 Hz, 1999 Hz, 2.00-19.99 kHz, <b>199.9 kHz</b>	± 0.2% Rdg + 4 LSD
% Duty Cycle	<b>0.0-99.9%</b>	± 0.3% per kHz + 0.3%
Continuity Buzzer	< <b>10.0 ohms</b>	built-in buzzer sounds when reading is below approx. 100mV
Diode Test	<b>1.65 mA / &lt;3.3 Volts</b>	± 1% Rdg + 2 LSD

Optional Accessories	Part Number
Line splitter (Energizer)	A47L
Ampran 50-1 Current Transformer, 5000 Amps Max, AC ONLY	CT50-1
Ampran 50-1 Current Transformer, 3000 Amps Max, AC ONLY	CT50-2

Replacement Parts (supplied with product)	Part Number
Test leads with set of alligator clips	MTL-90B
Alligator Clip adaptors	VRC-320
Carrying Case	CC-ACDC
Instruction Manual	www.amprobe.com

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\*\*For other ranges see website (<http://www.amprobe.com>)

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



ACDC-620T

- ▶ TRMS Measurement
- ▶ Dynamic Min/Max/Avg. Recording function
- ▶ In-rush Peak Current capture (1 mS response)
- ▶ Temperature measurement
- ▶ Dual Display of °F & °C readings
- ▶ Continuity Buzzer
- ▶ Reading Hold function
- ▶ Auto/Manual Ranging
- ▶ Auto power off
- ▶ Maximum jaw opening 2.04" (52mm)
- ▶ Low Battery & Over-range Indicators
- ▶ Analog Bar Graph indicator
- ▶ Designed to UL, ULc, CE, IEC & TUV Standards
- ▶ CATIII-600 Volt
- ▶ Limited Life Time Warranty

Features	Range & Resolution*	Accuracy
AC/DC Voltage	0-399.9, <b>1000V</b>	± 1% Rdg + 3 LSD @ 0-1000V DC** ± 1.5% Rdg + 3 LSD @ 45-400Hz, 0-1000V AC**
AC/DC Current	0-399.9, <b>1000 A</b>	± 1.5% Rdg + 3 LSD @ 0-400A DC** ± 2% Rdg + 5 LSD @ 45-65Hz, 40-400A AC**
Resistance	0-399.9 Ω, <b>4.000 k Ω</b>	± 1% Rdg + 3 LSD
Capacitance	0-399.9, <b>4000 μF</b>	± 3% Rdg + 4 LSD @ 0-400μF**
Temperature	<b>-40°F to 2500°F (-40°C to 1372°C)</b>	± 0.5% Rdg + 6°F (± 0.5% Rdg + 3°C)
In-rush Peak Current Max (AC or DC)	0-399.9, <b>1000 A</b>	± 2% Rdg + 43 LSD
Continuity Buzzer	<b>&lt;10.0 ohms</b>	
Diode Test	<b>1.65 mA / &lt; 3.3 Volts</b>	

## Optional Accessories

## Part Number

Line splitter (Energizer)	A47L
Ampran 50-1 Current Transformer, 5000 Amps Max. (AC Only)	CT50-1
Ampran 50-1 Current Transformer, 3000 Amps Max. (AC Only)	CT50-2
Thermocouple -50°F to 600°F	TPK-59
Dual input Thermocouple adapter with two thermocouples -50°F to 600°F	DKTA-620 and two of TPK-56

## Replacement Parts (supplied with product)

## Part Number

Test leads with set of alligator clips (alligator clips not supplied with product)	MTL-90B
Carrying Case	CC-ACDC
Instruction Manual	www.amprobe.com

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\*\*For other ranges see website (<http://www.advancedtestproducts.com>)



# KWC-2000 Power Clamp-On

- ▶ Single and three phase power readings
- ▶ Auto ranging
- ▶ Dual display (PF/KW, Hz/V, V/A, kVAR/kVA)
- ▶ Easy to use
- ▶ Safety: Cat III 600V, UL, CE



KWC-2000

Features	Range & Resolution*	Accuracy
TRMS AC Voltage	0-200.0, 500.0, <b>600 V</b>	± 1.5% Rdg + 5 LSD @ 50/60 Hz ± 2.0% Rdg + 5 LSD @ 40-400 Hz
DC Voltage	0-200.0, 500.0, <b>800 V</b>	± 1.5% Rdg + 5 LSD
TRMS AC/DC Current	0-200.0, 500.0, <b>2000 A</b>	± 1.5% Rdg + 5 LSD @ 200A range ± 2.0% Rdg + 5 LSD @ 500 A and 2000A ranges
AC/DC True Active Power	0-99.99,	± 2.0% Rdg + 0.05kW
	999.9,	± 2.0% Rdg + 0.5kW
	<b>1200 kW</b>	± 2.0% Rdg + 5kW
AC/DC Reactive Power	0-99.99,	± 2.0% Rdg + 0.05kVAR
	999.9,	± 2.0% Rdg + 0.5kVAR
	<b>1200 kVAR</b>	± 2.0% Rdg + 5kVAR
Frequency	10-1000 Hz	± 1.5% Rdg + 2 LSD

Optional Accessories	Part Number	Replacement Parts (supplied with product)	Part Number
Alligator Clips (For test leads)	VRC-320	Carrying case	CC-ACDC
		Test leads with set of alligator clips (alligator clips not supplied with product)	MTL-90B
		Instruction manual	www.amprobe.com

# ACDC-600A & ACDC-600AT Digital AC/DC Clamp-on Ammeters

- ▶ AC Amps to 600
- ▶ DC Amps to 600
- ▶ TRMS Sensing (AC/DC 600 AT)
- ▶ Reading Hold
- ▶ Low Battery & Over-range indicators
- ▶ Accommodates conductors up to 1.33" in diameter
- ▶ Compact size
- ▶ Very easy to use
- ▶ Limited Life Time Warranty

Features	ACDC-600A	ACDC-600AT	Accuracy
AC Current	0-199.9, <b>600 A</b>		± 1.9% Rdg + 5 LSD @ 20-600A**
DC Current	0-199.9, <b>600 A</b>		± 1.9% Rdg + 3 LSD @ 20-600A**
TRMS measurement	N/A	Yes	

Optional Accessories	Part Number
Line splitter (Energizer)	A47L
Amptan 50-1 Current Transformer, 5000 Amps Max. (AC only)	CT50-1
Amptan 50-1 Current Transformer, 3000 Amps Max (AC only)	CT50-2

Replacement Parts (supplied with product)	Part Number
Supplied Carrying Case (Nylon)	SC600
Optional Vinyl Case	SV-U
Instruction Manual	www.amprobe.com



ACDC-600 A



ACDC-600 AT

\*We use a special notation to indicate range AND resolution using a single number. For example: number 40.00 indicates range of 40 and resolution 0.01 (two digits after the point with the 1 as an increment, unless otherwise specified).



ACDC-1000A

## ACDC-1000A Digital AC/DC Clamp-on Multimeter

- ▶ AC/DC Volts to 600
- ▶ AC/DC Amps to 1000
- ▶ Ohms to 1999
- ▶ In-rush Current capture (80 mS response)
- ▶ Low Battery & Over-range indicators
- ▶ Withstands momentary overloads up to 50%
- ▶ Large, easy to read display

Features	Range & Resolution*	Accuracy
AC/DC Voltage	0-199.9, <b>600 V</b>	± 1% Rdg + 1 LSD @ 0-600V DC** ± 1% Rdg + 5 LSD @ 0-600V AC**
AC/DC Current	0-199.9, <b>1000 A</b>	± 1% Rdg + 5 LSD @ 0-999A DC, 0-750A AC**
Resistance	0-199.9, <b>1999 Ω</b>	± 1% Rdg + 1 LSD

### Optional Accessories

	Part Number
Line splitter (Energizer)	A47L
Ampttran 50-1 Current Transformer, 5000 Amps Max. (AC Only)	CT50-1
Ampttran 50-1 Current Transformer, 3000 Amps Max. (AC Only)	CT50-2

### Replacement Parts (supplied with product)

	Part Number
Test Leads	DTL-1A
Ohmmeter attachment	OHB-4HE
Carrying case	F-2
Alligator clip adaptors for DTL-1A test leads	VRC-320
Replacement screw in probe tips for DTL-1A Test leads	VPT
Fuse, 1 Amp/600 Volt Fast Blow	8AG-360x023
Instruction Manual	www.amprobe.com



ACDC-610

## ACDC-610 Digital AC/DC Clamp-on Multimeter

- ▶ AC/DC Amps to 600
- ▶ AC Volts to 750
- ▶ DC Volts to 1000
- ▶ Ohms to 4000
- ▶ Frequency Measurements to 4MHz
- ▶ In-rush Peak Current capture (80 mS response)
- ▶ Reading Hold function
- ▶ Continuity Buzzer
- ▶ Maximum jaw opening 1.65" (42mm)
- ▶ Auto power off
- ▶ Low Battery & Over-range indicators
- ▶ Limited Life Time Warranty

Features	Range & Resolution*	Accuracy
AC Voltage	0-399.9, <b>750 V</b>	± 1.25% Rdg + 4 LSD @ 40-400Hz, 0-400V AC**
DC Voltage	0-399.9, <b>1000 V</b>	± 0.7% Rdg + 2 LSD @ 0-1000V DC**
AC Current	0-399.9, <b>600 A</b>	± 2% Rdg + 4 LSD @ 40-400Hz, 0-600A AC**
DC Current	0-399.9, <b>600 A</b>	± 2% Rdg + 2 LSD @ 40-400Hz, 0-600A AC**
Resistance	<b>0-4000 Ω</b>	± 1% Rdg + 2 LSD
Frequency Measurements	20-3999 Hz, 4.00KHz-39.99KHz, 40.0KHz-399.9KHz, <b>0.400-3.999 MHz</b>	± 0.7% Rdg + 3 LSD
In-rush Current capture (AC or DC)	0-399.9, <b>400-600 A</b>	
Continuity Buzzer	< <b>150 Ω</b>	± 10% Rdg

### Optional Accessories

	Part Number
Line splitter (Energizer)	A47L
Ampttran 50-1 Current Transformer, 5000 Amps Max. (AC Only)	CT50-1
Ampttran 50-1 Current Transformer, 3000 Amps Max. (AC Only)	CT50-2
Alligator Clips (For test leads)	VRC-320

### Replacement Parts (supplied with product)

	Part Number
Test leads with set of alligator clips (alligator clips not supplied with product)	MTL-90B
Carrying case	SV-U
Instruction Manual	www.amprobe.com

\*We use a special notation to indicate range AND resolution using a single number. For example: number 40.00 indicates range of 40 and resolution 0.01 (two digits after the point with the 1 as an increment, unless otherwise specified).  
\*\*For other ranges see website (<http://www.amprobe.com>)

# RS-1, RS-3, RS-3 Super, RS-1007 Rotary Scale Clamp-on Multimeters

- ▶ Works in wide range of temperatures
- ▶ Does not need battery for measuring volts or amp
- ▶ Easy to use rotary scale
- ▶ Pointer lock
- ▶ Recessed magnifying window
- ▶ Drop Proof to 5 feet



RS-3

Features	RS-1	RS-3	RS-3 Super	RS-1007	Accuracy
AC Voltage	0-150 / 600 V	0-150 / 300 / 600 V		0-150 / 300 / 750 V	± 3% of Full Scale
AC Current	0-6/ 15 /40 /100 A	0-6/ 15 /40 /100 / 300A		0-15 /40 /100 / 300 /1000A	± 3% of Full Scale
Resistance	N/A	25 Ω Midscale		25 Ω Midscale	± 3% arc
Frequency	60 Hz	60Hz	50-400Hz	60Hz	± 3% of Full Scale
Jaw Opening	1"	1"		2"	

## Optional Accessories

	Part Number
Line splitter (Energizer)	A47L
5000A Clamp-on Current Transformer (50 to 1)	CT50-1
3000A Clamp-on Current Transformer (50 to 1)	CT50-2
600A Clamp-on Current Transformer (10 to 1) - (RS-1, RS-3, RS-3Super)	A50-1
Extendo test leads (RS-1, RS-3, RS-3Super)	VLK-411R
Extendo test leads, Wide Temperature range, -40°F to 120°F (RS-1, RS-3, RS-3Super)	VLK-411R-WTR
Replacement probe tips for test leads	VPT
Alligator Clips	VRC-320
Soft vinyl zippered pouch (RS-1, RS-3, RS-3Super)	SV-U
Attache-style case (RS-1, RS-3, RS-3Super)	C

## Replacement Parts (supplied with product)

	Part Number
Voltage test leads (RS-1, RS-3, RS-3Super)	VL11S
Soft nylon, zippered carrying case with belt loop (RS-1, RS-3, RS-3Super)	SV-U
Ohmmeter adapter (RS-3, RS-3Super, RS-1007)	OHB-3HE
Fuse for OHB-3HE, 1 Amp, 600 Volt, 8AG size, FAST Blow (RS-3, RS-3Super, RS-1007)	8AG-360x023
Carrying Case (RS-1007)	E
Extendo Voltage Test leads (RS-1007)	VLK-100R
Instruction Manual	www.amprobe.com



RS-1007

# FS-3L Analog, Flat Scale, AC Clamp-on Multimeter



FS-3L

- ▶ AC Volts to 600
- ▶ AC Amps to 300
- ▶ Ohms to 100,000
- ▶ Temperature (with optional probe) to 225°F
- ▶ Pointer lock
- ▶ 1" Diameter Jaw
- ▶ Calibrated for use on 50 or 60 Hz systems
- ▶ Taut Band meter movement
- ▶ Drop proof to 5 feet

Features	Range	Accuracy
AC Volts	0-150 /300 /600 Volts	± 3% of Full Scale
AC Amps	6 /15 /40 /100 /300 Amps.	± 3% of Full Scale
Resistance	0-1000 Ω, 0 - 100 000 Ω	± 3% arc
Temperature	-25 to +225°F	

## Optional Accessories

## Part Number

Line splitter (Energizer)	A47L
5000A Clamp-on Current Transformer (50 to 1)	CT50-1
3000A Clamp-on Current Transformer (50 to 1)	CT50-2
600A Clamp-on Current Transformer (10 to 1)	A50-1
Extendo test leads	VLK-411R
Extendo test leads, Wide Temperature range, -40°F to 120°F	VLK-411R-WTR
Replacement probe tips for test leads	VPT
Alligator Clips (one red, one black)	VRC-320
Immersion Temperature probe	RBT-11P
Universal Temperature probe	RBT-12P
Vented Air probe (150°F max)	RBT-13P

## Replacement Parts (supplied with product)

## Part Number

Test Leads	VL-11S
Fuse (0.5 Amp, 250 Volt, 8AG size)	8AG-361.5
Carrying Case	SV-U
Instruction Book	<a href="http://www.amprobe.com">www.amprobe.com</a>
Instruction Manual	<a href="http://www.amprobe.com">www.amprobe.com</a>



RBT-11P, RBT-12P, RBT-13P