



## ACD-21SW Swivel Clamp Meter

New patented rotating head clamp design allows easy viewing of the measurements in tight or inconvenient to reach places. Simply rotate the body of meter to get an unobstructed view of the LCD display. Reach set of features and CAT III 600V safety reading for use in electrical and HVAC applications.

- 180 degree rotating head for the perfect display viewing
- Advanced VoltTect non-contact voltage detection
- Slim jaw design with one hand operation
- Measures AC Current up to 400 ACA, AC/DC Voltage up to 600V, Resistance and Capacitance
- Temperature measurement
- Audible continuity
- Auto and manual ranging respectively for quick checks and precise measurements
- Auto power off
- Data hold
- Accommodates conductors up to 1.18" (30mm) in diameter
- Safety CAT III 600 V
- Test leads, battery (installed), Users Manual, Carrying Case and type-K thermocouple are included with the product

### No hassle warranty

*No waiting.*

*No shipping charges.*



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)



## ACD-21SW Swivel Clamp Meter

## Data Sheet

### General Specifications

<b>Display</b>	3 3/4 digit liquid crystal display (LCD) with a maximum reading of 3999.
<b>Polarity</b>	Automatic, positive implied, negative polarity indication.
<b>Overrange</b>	(OL) or (-OL) is displayed.
<b>Zero</b>	Automatic.
<b>Low battery indication</b>	The " " is displayed when the battery voltage drops below the operating level.
<b>Auto power off</b>	Approx. 10 minutes.
<b>Measurement rate</b>	2 times per second, nominal.
<b>Operating Environment</b>	0°C to 50°C / 32°F to 122°F at <70% relative humidity.
<b>Storage Temperature</b>	-20°C to 60° / -4°F to 140°F, 0 to 80% R.H. with battery removed from meter.
<b>Accuracy</b>	Stated accuracy at 74°F ±8°F, <75% relative humidity.
<b>Temperature Coefficient</b>	0.1 x (specified accuracy) per °F, (32°F to 66°F, 82°F to 122°F).
<b>Altitude</b>	6561.7 Feet (2000m).
<b>Jaw opening capability</b>	30mm (1.18 in) conductor.
<b>Power</b>	1.5 volt battery x2, R03/SIZE AAA.
<b>Isolated battery compartment.</b>	
<b>Battery life</b>	150 hours typical with carbon-zinc. 300 hours typical with alkaline.
<b>Dimensions</b>	306 x 135 x 30mm (12 x 5.3 x 1.2 in).
<b>Weight</b>	Approx. 157g (1.26lb) including battery.
<b>Safety</b>	Designed to meet IEC 61010-1 (EN61010-1) and IEC 61010-2-032 (EN61010-2-032), CATIII 600V class II and pollution degree 2 indoor use comply with CE , UL

### Electrical Specifications

#### DC Volts

<b>Ranges</b>	400mV, 4V, 40V, 400V, 600V
<b>Resolution</b>	0.1mV
<b>Accuracy</b>	±(0.5% rdg + 2 dgts)
<b>Input Impedance</b>	400mV:>100MΩ; 4V:10MΩ;40V~600V:9.1MΩ
<b>Overload Protection</b>	600 VDC or AC rms To measure millivolts, use "RANGE " button to manually select 400mV range.

#### AC Volts (50Hz - 500Hz)

<b>Ranges</b>	4V, 40V, 400V, 600V
<b>Resolution</b>	1mV
<b>Accuracy</b>	±(1.2% rdg + 5 dgts)
	±(1.5% rdg + 5 dgts) on 600V range
<b>Input Impedance</b>	4V:10MΩ;40V~600V:9.1MΩ
<b>Overload Protection</b>	600 VDC or AC rms

#### AC Current (50Hz - 60Hz)

<b>Ranges</b>	40A , 400A
<b>Resolution</b>	0.01A
<b>Accuracy</b>	±(2.0% rdg + 6 dgts) 50 ~ 60Hz
<b>Overload Protection</b>	400A AC



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### Resistance

<b>Ranges</b>	400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ
<b>Resolution</b>	0.1Ω
<b>Accuracy</b>	±(1.0% rdg + 4 dgts) on 400Ω to 400kΩ ranges ±(1.5% rdg + 4 dgts) on 4MΩ range ±(3.0% rdg + 5 dgts) on 40MΩ range
<b>Open Circuit Volts</b>	-0.45V dc typical, (-1.2Vdc on 400Ω range)
<b>Overload Protection</b>	600VDC or AC rms

### Capacitance

<b>Ranges</b>	4uF, 40uF, 400uF, 4mF
<b>Resolution</b>	1nF
<b>Accuracy</b>	±(3.0% rdg + 15 dgts) on 4uF range ±(3.0% rdg + 5 dgts) on 40uF to 400uF ranges ±(5.0% rdg + 20 dgts) on 4mF range
<b>Minimum Input Range</b>	>100nF
<b>Overload Protection</b>	600VDC or AC rms When the capacitor to be tested is connected, if "dsc" symbol indicates on LCD, it means there is voltage existing in the tested capacitor and need to be discharged before testing.

### Temperature

<b>Range</b>	-30°F ~ 400°F, -35°C ~ 400°C
<b>Resolution</b>	0.1°F, 0.1°C
<b>Accuracy</b>	±(1% + 2°F) -4°F ~ 400°F ±(1% + 1°C) 0°C ~ 200°C ±(2% + 4°F) -30°F ~ -4°F ±(2% + 3°C) -35°C ~ 0°C
<b>Sensor Type</b>	K-type thermocouple
<b>Overload Protection</b>	60VDC or 30VAC rms

### Continuity

<b>Range</b>	400Ω
<b>Resolution</b>	1Ω
<b>Audible Indication:</b>	Less than 25Ω
<b>Response Time</b>	500ms
<b>Overload Protection</b>	500VDC or AC rms

**Non-Contact Voltage Indicator** Sense voltage 70V to 600VAC (50Hz ~ 60Hz) beeper chirps and big bright red LED comes on, works when meter dial is on any ranges.

### AUXILIARY FEATURES

<b>Hold</b>	Freeze the latest reading on the display.
<b>Range</b>	Execute manual range mode.
<b>Disable Auto Power Off</b>	Set the DMM to off position, press (RANGE) button, and hold the (RANGE) button while turning the rotary knob to the desired range position. Release the button when LCD displays normally. Note "APO" annunciator is missing from the LCD. The Auto Power Off mode is activated with an "APO" symbol indicating on LCD.

**ACD-21SW Swivel Clamp Meter****Data Sheet****Included Accessories**

One pair test leads  
1.5V battery x2 (installed)  
Carrying case  
TPK01 thermocouple  
Users Manual

