

**ACD-3300 IND** 

**Clamp Meter** 

accommodate wide diameter wires.

**CAT IV Industrial True RMS** 

This CAT IV rated clamp is ideal for industrial applications and utilities that require an extra level of safety. Includes True RMS sensing for accuracy and dependability. Extra large jaw to

Measures AC Current up to 1000 ACA, Voltage up to 750 VAC / 1000 VDC, Frequency, Resistance and Capacitance



## No hassle warranty

NO HASSI

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)

# Temperature to 1832°F or 1000°C Peak Hold Audible continuity

- Auto and manual ranging
- Auto power off

True RMS

and Duty Cycle

- Data hold
- Backlight
- Diode Test
- Duty Cycle
- Accommodates conductors up to 2" (51mm) in diameter
- Safety CAT IV 600 V, CAT III 1000 V
- Test leads, battery (installed), Users Manual, Carrying Case and type-K thermocouple included with the product



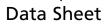
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Data Sheet





## ACD-3300 IND CAT IV Industrial True RMS Clamp Meter

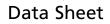


# **Specifications** (valid for 23 °C $\pm$ 5 °C, for less than 75% relative humidity).

DC Volts	Ranges		Accuracy		
	660.0 mV, 6.600 V, 66.0	0 V, 660.0 V, 1000 V	/ ± (0.5% rdg + 2 dgts)		
Input impedance	660 mV: >100 MΩ; 6.6 V	/:10 MΩ; 66 V to 10	00 V: 9.1 MΩ		
Overload protection	1000 VDC or 750 VAC rms				
AC Volts True RMS	Ranges	Frequency	Accuracy		
	660.0 mV	50 to 100 Hz	± (1.5% rdg + 8 dgts)		
	6.600V, 66.00V	50 to 500 Hz	± (1.5% rdg + 8 dgts)		
	660.0V, 750V	50 to 500 Hz	± (1.5% rdg + 8 dgts)		
	Frequency*	50 to 1 kHz	± (0.1% rdg + 5 dgts)		
	* Frequency: 10% to 10	0% of voltage ran	ge		
Peak Hold	Ranges	Frequency	Accuracy		
	66.00V, 660.0V, 750V	50 to 500 Hz	± (3.0% rdg + 300 dgts)		
AC coupled TRMS	5% to 100% of range				
Crest factor	≤3				
Input impedance	660 mV: >100 MΩ; 6.6 V:10 MΩ; 66 V to 750 V: 9.1 MΩ				
Overload protection	1000 VDC or 750 VAC rms				
AC Current True RMS	Ranges	Frequency	Accuracy		
	66.00A	50 to 60 Hz	± (2.0% rdg + 10 dgts)		
	66.00A	61 to 400 Hz	± (3.0% rdg + 10 dgts)		
	660.0A	50 to 60 Hz	± (2.0% rdg + 10 dgts)		
	660.0A	61 to 400 Hz	± (3.0% rdg + 10 dgts)		
	1000 A	50 to 60 Hz	± (2.5% rdg + 10 dgts)		
	1000 A	61 to 400 Hz	± (3.5% rdg + 10 dgts)		
	Frequency*	50 to 1kHz	± (0.1% rdg + 5 dgts)		
Peak Hold	Ranges	Frequency	Accuracy		
	66.00A, 660.0A, 1000A	50 to 400 Hz	± (3.0% rdg + 200 dgts)		
	* Frequency: 10% to 100% of current range				
AC coupled TRMS	5% to 100% of range				
Crest factor	≤ 3				
Overload protection	1000A AC				
Resistance	Range		Accuracy		
	660.0Ω, 6.600kΩ, 66.00kΩ, 660.0kΩ		± (1.0% rdg + 5 dgts)		
	6.600ΜΩ		± (2.0% rdg + 5 dgts)		
	66.00MΩ		± (3.5% rdg + 5 dgts)		
Open circuit volts	-0.8 Vdc typical , (-1.2 Vdc on 660 $\Omega$ range)				
Overload protection	1000 VDC or 750 VAC rr	ns			
Capacitance	Range		Accuracy		
	6.600ηF, 66.00ηF		±(3.0% rdg + 20 dgts)		
	660.0ηF, 6.600μF, 66.00μF,660.0μF		±(3.0% rdg + 10 dgts)		
	6.6 mF		±(5.0% rdg + 10 dgts)		
Overload protection	1000 VDC or 750 VAC rr	ns			



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#### Specifications (continued)

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Temperature	Range	Accuracy		
	0.0°C to 400.0°C	± (1.0% + 1°C)		
	-35.0°C to 0.0°C, 400°C to 1000°C	± (2.0% + 3°C)		
	32.0°F to 750.0°F	± (1.0% + 2°F)		
	-30.0°F to 32.0°F, 750°F to 1832°F	± (2.0% + 6°F)		
Sensor type	K-type thermocouple			
Overload protection	30 V Max			
Diode Test				
Test current	1.0 mA (approximate)			
Accuracy	± (1.5% rdg + 5 dgts)			
Open circuit volts	3.2 Vdc typical			
Audible indication	< 0.25 V			
Overload protection	1000 VDC or 750 VAC rms			
Continuity				
Ranges	660.0 Ω			
Audible indication	< 30 Ω			
Response time	500 ms			
Overload protection	1000 VDC or 750 VAC rms			
Frequency (Auto ranging)	Range		Accuracy	
	66.00 Hz, 660.0 Hz, 6.600k Hz, 66.00 kHz, 660.0 kHz, 1.000 MHz		± (0.1% rdg + 3 dgts)	
Sensitivity	10 Hz to 1 MHz: > 3.5 V rms			
Minimum pulse Width	>1 us			
% Duty Cycle				
Range	5.0 % to 95.0 %			
Resolution:	0.1 %			
Minimum Pulse Width	>10 us			
Frequency range	40 Hz to 20 kHz			
Accuracy ( 5V logic )	± (2% rdg + 10 dgts)			
Overload protection	1000 VDC or 750 VAC rms			



## ACD-3300 IND CAT IV Industrial True RMS Clamp Meter



Display	3¾ digit liquid crystal display (LCD) (6600 count) with a 66-segment analog bar-graph		
Polarity	Automatic, positive implied, negative polarity indication		
Over range	(OL) or (-OL) is displayed		
Zero	Automatic		
Low battery indication	"🕶 " is displayed when the battery voltage drops below the operating level		
Auto power off	Approx. 30 minutes		
Backlight	Backlight auto-off approx. 60 sec.		
Measurement rate	2.8 times per second, nominal		
Analog bar-graph	28 times per second		
Operating environment	0°C to 50°C (32°F to 122°F) at < 70% R.H.		
Storage temperature	-20°C to 60°C (-4°F to 140°F) at < 80% R.H. with battery removed from meter		
Temperature Coefficient	0.1 × (specified accuracy) per °C. (0°C to 18°C, 28°C to 50°C)		
Environmental	2000m (6561.7 Feet), Indoor use		
Jaw opening capability	57 mm (2.0 in) conductor		
Power	Single standard 9-volt battery, NEDA 1604, JIS 006P, IEC 6F22		
Battery life	typically 75 hours with carbon-zinc; 150 hour with alkaline		
Dimensions	283 x 105 x 50 mm (11 x 4 x 2.1 in.)		
Weight	500 gm ( 1.10 lb.)		
Safety	LVD Meets EN61010-1:2001 and EN61010-2-032:2002, CAT III 1000V, CAT IV 600V, class II and pollution degree 2		
СЄемс	EN 61326-1:2006 This product complies with requirements of the following European Community Directives: 2004/108/EC (Electromagnetic Compatibility) and 2006/95/EC (Low Voltage) as amended by 93/68/EEC (CE Marking). However, electrical noise or intense electromagnetic fields in the vicinity of the equipment may disturb the measurement circuit. Measuring instruments will also respond to unwanted signals that may be present within the measurement circuit. Users should exercise care and take appropriate precautions to avoid misleading results when making measurements in the presence of electronic interference.		



**Optional Accessories** TL-1500 Test leads with set of alligator clips

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