imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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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)

Data Sheet

ACD-3300 IND CAT IV Industrial True RMS Clamp Meter

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 accommodate wide diameter wires.

- True RMS
- Measures AC Current up to 1000 ACA, Voltage up to 750 VAC / 1000 VDC, Frequency, Resistance and Capacitance and Duty Cycle
- Temperature to 1832°F or 1000°C
- Peak Hold
- Audible continuity
- Auto and manual ranging
- Auto power off
- 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

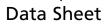


Amprobe® Test Tools

www.Amprobe.com



ACD-3300 IND CAT IV Industrial True RMS Clamp Meter

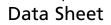


Specifications (valid for 23 °C \pm 5 °C, for less than 75% relative humidity).

DC Volts	Ranges		Accuracy		
	660.0 mV, 6.600 V, 66.00 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 1000 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 rang	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					
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)		
	66.00ΜΩ		± (3.5% rdg + 5 dgts)		
Open circuit volts	-0.8 Vdc typical , (-1.2 Vdc on 660 Ω range)				
Overload protection	1000 VDC or 750 VAC rms				
Capacitance	Range		Accuracy		
	6.600դF, 66.00դF		±(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 ri	ms			



ACD-3300 IND CAT IV Industrial True RMS Clamp Meter



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 pollutio 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

Amprobe® Test Tools

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Data Sheet

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