AMPROBE®

Data Sheet

ACDC-400 Digital AC/DC Clamp-on Multimeter The Amprobe ACDC-400 clamp meter is full featured with wide measurement capabilities. It measures both AC and DC Current to 400 amps, AC and DC Voltage to 600V, plus Resistance and Continuity. The ACDC-400 also offers software features of Min/Max and Relative measurements with a large digital and analog combined display and backlight.

■ 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")
- **Includes carrying case**
- CAT III 600V



No hassle warranty

No waiting.



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)



ACDC-400 Digital AC/DC Clamp-on Multimeter

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Specifications					
General Specifications					
Display	3-3/4 digits 4000 counts LCD display				
Update Rate	2 per second nominal				
Polarity	Automatic				
Power Supply	2 standard 1.5V AAA Size (NEDA 24G or IEC R03) battery				
Battery Life	typical 25 hours				
APO Timing	idle for 30 minutes				
Low battery	+ on LCD; approx. 2.4V				
Environment	Indoor operation, below 2000 m				
Temperature / Humidity	Operating: 5°C to 40°C (41°F to 104°F), < 80% RH; Storage: -10°C to 60°C (14°F to 122°F), < 80% RH				
Jaw opening	27mm (1.1 in) max				
Dimension	202 x 70 x 40mm (7.9 x 2.7 x 1.6 in.)				
Weight	254 gm (0.6 lb)				
Safety LVD	Meets EN60101-1:2001; EN61010-2-032(2002), Category II- 600 Volts ac & dc; pollution degree : 2; class 2				
СЕ ЕМС	EN61326-1:2006				
Electrical Specifications (23 °C	C ± 5 °C) < 75%RH				
DC Voltage	Range	Accuracy			
J	400.0 mV 4.000V, 40.00V, 400.0V 600V	± (0.8% rdg + 2 dgt ± (1.0% rdg + 2 dgts	•		
Input impedance	10M Ω , 30pf nominal (100 M Ω for 400.0mV range)				
Max input	600 VDC				
AC Voltage (sinusoidal)	Range	Frequency	Accuracy		
	400.0mV	40Hz to 60Hz	± (1.0% rdg + 50 dgts)		
	4.000V, 40.00V, 400.0V	50Hz to 500Hz	± (1.0% rdg + 3 dgts)		
	600V	50Hz to 500Hz	± (1.2% rdg + 3 dgts)		
Input impedance	10M Ω , 30pf nominal (100 M Ω for 400.0mV range)				
Max input	600 VAC rms				
DC Current (Clamp-On)	Range	Accuracy			
•	0.00A to 40.00A	± (2.0% rdg + 10 dgts)			
	40.0A to 400.0A ± (2.0% rdg + 10 dgts)				
Max current	400A rms continuous; 600 A rms (60 seconds)				
ACA Current (Clamp-On)					
(sinusoidal)	Range	Frequency	Accuracy		
	0.00A to 40.00A	50Hz to 60Hz	± (2.0% rdg + 10 dgts)		
	40.0A to 400.0A	50Hz to 60Hz	± (2.0% rdg + 10 dgts)		
Max current	400A rms continuous; 600 A rms (60	seconds)			
Resistance	Range	Accuracy			
	400.0 Ω ± (1.0% rdg + 5 dgts)				
	4.000kΩ, 40.00kΩ, 400.0kΩ, 4.000MΩ \pm (1.0% rdg + 3 dgts)				
0 0 1.1.1.	$40.00M\Omega \qquad \qquad \pm (3.0\% \text{ rdg} + 3 \text{ dgts})$				
Open Circuit Voltage	0.45 Vdc typical; 1.5 Vdc typical for 400.0 Ω				
Continuity Tester	Open Circuit Voltage: 1.4Vdc typical Audible threshold: $< 40\Omega$				

Amprobe® Test Tools

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