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AMPROBE®

Data Sheet

AC75B
Digital Clamp Meter with Temperature

Three tools in one: clamp meter, multimeter and thermometer

- **600 A AC current**
- **Digital thermometer 400 °C (1000 °F), Type K probe included**
- **AC/DC 750 V/1000 V**
- **40 MΩ resistance**
- **Low DC µAmps for flame rod detector testing**
- **Capacitance to 4000 µF for motor run/start testing**
- **Continuity beeper**
- **4000-count large digit display**
- **Jaw size 35 mm (1.3”)**
- **Auto power off**
- **Low battery indicator**
- **Full overload protection**
- **One-year warranty**

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)

Custom designed to make HVAC/R Service, Electrical, and Industrial maintenance tasks faster and easier. The AC75B combines a heavy-duty high-capacity 600A clamp-on meter with the most needed DMM functions such as resistance, continuity, and voltage measurement for general electrical troubleshooting. The AC75B then goes further than typical clamp meters and adds extra functions like a Type K digital thermometer, a high capacitance range, and display backlight. The extra features of the AC75B enable more specialized troubleshooting such as measuring flame rod safeguard current and testing motor run/start capacitors.

User safety is a prime concern of Wavetek Amprobe. The AC75B is fully safety engineered to US and Canadian standards and rated CAT III 600V. Test leads rated CAT II 1000V are included with the unit.

CAT III 600V CAT II 1000V C SA US N10140 CE

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General Specifications

Operating temperature	0 °C - 50 °C
Maximum jaw opening	Up to 1.3” (35 mm)
Safety	Designed to meet IEC 1010-1 and IEC 61010-2-032, Class 2 and pollution degree 2 indoor use. Complies with CE and CSA 22.2 No. 1010-1 and No. 1010.2.032 requirements.
Battery life	400 hours (alkaline)
Power requirement	Standard 9 V battery NEDA 1604, JIS 006P
Dimensions	84 mm (W) x 212 mm (L) x 40 mm (D) (3.3 x 8.4 x 1.6 inches)
Weight	Approx. 390 g (15 oz.)

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Electrical Specifications (All at 23 ° C ± 5 ° C, <80 % R.H.)

Function	Range	Accuracy
AC A (50/60 Hz)		
400 A, 600 A	0 to 100 A	± (1.9 % + 2 A)
	100 to 400 A	± (1.9 % + 1 A)
	400 to 600 A	± (2.5 % + 7 A)
Resolution	0.1A in 400 A range	
DC A		
	400, 4000 µA	±(1.0 %+2 d)
Resolution	0.1 µA	
ACV (50 to 500 Hz)	4, 40, 400, 750 V	±(1.5 %+5 d)
Resolution	1 mV in 4 V range	
DCV		
	4, 40, 400, 1000 V	±(0.9 %+2 d)
Resolution	1 mV in 4 V range	
Resistance		
400, 4 k, 40 k, 400 k, 4 M, 40 MΩ		
	400Ω	±(1.0 % + 2 d)
	4 kΩ to 400 kΩ	±(0.7 % + 2 d)
	4 M	±(1.0 % + 2 d)
	40 MΩ	±(1.5 % + 2 d)
Resolution	0.1 Ω in 400 Ω range	
Diode Test		
Max test current/Accuracy	1.5 mA	±(1.5 % + 5 d)
Open circuit voltage	3 V	
Continuity Beeper		
Threshold	approx. 200 Ω	
Indicator	2 kHz tone buzzer	
Capacitance		
Ranges	4 n, 40 n, 400 n, 4 µ, 40 µ, 400 µ, 4 mF	
	4 n	±(3.0 % + 20 d)
	All other ranges	±(2.0 % + 8 d)
Resolution	1 pF in 4 mF range	
Temperature		
0 °C, 400 °C (32 °F, 750 °F, 1000 °F)		
	-40 °C to .1 °C	±(1 % + 4 °C)
	0 °C to 400 °C	±(1 % + 3 °C)
	-40 °F to 32 °F	±(1 % + 8 °F)
	32 °F to 750 °F	±(1 % + 6 °F)
	750 °F to 1000 °F	±(2 % + 8 °F)
Resolution	0.1 °C/1 °F	

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AC75B Digital Clamp Meter with Temperature

Included Accessories
One pair test leads, Temperature Adapters (TA-1), Type K temperature probe (TP255A), 9 V battery (installed), operating instructions and carrying case with belt loop.

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