



AC75B

Three tools in one: clamp meter, multimeter and thermometer



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 III 1000V are included with the unit.

- 600 A AC current
- Digital thermometer 1000 °F (400 °C), 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 1.3" (35 mm)
- Auto power off
- Low battery indicator
- Full overload protection
- One-year warranty

AC75B Specifications (All at 23 °C ± 5 °C, <80 % R.H.)

| | |
|---------------------------|-----------------------------------|
| AC A (50/60 Hz) | |
| Ranges | 400 A, 600 A |
| Accuracy | |
| 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 |
| DC A | |
| Ranges | 400, 4000 μA |
| Accuracy | ± (1.0 % + 2 d) |
| Resolution | 0.1 μA |
| ACV (50 to 500 Hz) | |
| Ranges | 4, 40, 400, 750 V |
| Accuracy | ± (1.5 % + 5 d) |
| Resolution | 1 mV |
| DCV | |
| Ranges | 4, 40, 400, 1000 V |
| Accuracy | ± (0.9 % + 2 d) |
| Resolution | 1 mV |
| Resistance | |
| Ranges | 400, 4 k, 40 k, 400 k, 4 M, 40 MΩ |
| Accuracy | |
| 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 |
| Diode Test | |
| Max test current/Accuracy | 1.5 mA ± (1.5 % + 5 d) |
| Open circuit voltage | 3 V |

Digital Clamp Meter with Temperature



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Digital Clamp Meter with Temperature

AC75B Specifications *cont.*

| 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 |
| Accuracy | |
| 4 n | ± (3.0 % + 20 d) |
| All other ranges | ± (2.0 % + 8 d) |
| Resolution | 1 pF |
| Temperature | |
| Ranges | 0 °C, 400 °C (32 °F, 750 °F, 1000 °F) |
| Accuracy | |
| -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 |

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.) |
| Included Accessories | |

One pair test leads, Type K temperature probe, 9 V battery (installed), operating instructions and carrying case with belt loop.

