



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.



AC75B Digital Clamp Meter with Temperature

Data Sheet

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.) |

AC75B Digital Clamp Meter with Temperature

Data Sheet

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 | |

AC75B Digital Clamp Meter with Temperature

Data Sheet

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.

Amprobe® Test Tools

website: www.Amprobe.com
email: info@amprobe.com
Everett, WA 98203
Tel: 877-AMPROBE

Beha-Amprobe GmbH

In den Engematten 14
79286 Glottertal, Germany
Tel.: +49 (0) 7684 8009 - 0
www.amprobe.eu
info@amprobe.eu