Meterman®

AC75

Three tools in one: clamp meter, multimeter and thermometer

Digital Clamp Meter with Temperature



Custom designed to make HVAC/R Service, Electrical, and Industrial maintenance tasks faster and easier. The AC75 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 AC75 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 AC75 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 Meterman. The AC75 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

AC75 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

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AC75 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.



Meterman.
The right tool for the job™

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