AC75

Three tools in one: clamp meter, multimeter and thermometer

CAT III 1000 V   CAT III 600 V

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 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 is rated CAT III 600V. Test leads are included with the unit and are rated CAT III 1000V.

- **600 A AC current**
- **Digital thermometer 750 °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 13" (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	
Range	400 A, 600 A
Basic accuracy	± (1.9% + 5 d)
Resolution	0.1A
DC A	
Range	400, 4000 µA
Basic accuracy	± (1.7 % + 2 d)
Resolution	0.1 µA
ACV (50 to 500 Hz)	
Range	4, 40, 400, 750 V
Basic accuracy	± (1.5 % + 5 d)
Resolution	1 mV
DCV	
Range	4, 40, 400, 1000 V
Basic accuracy	± (0.9 % + 2 d)
Resolution	1 mV
Resistance	
Range	400, 4 k, 40 k, 400 k, 4 M, 40 MΩ
Basic accuracy	± (1.5 % + 3 d)
Resolution	0.1 Ω
Diode Test	
Max test current	1.5 mA
Open circuit voltage	3 V
Continuity Beeper	
Threshold	approx. 200 Ω
Indicator	2 KHz tone buzzer
Capacitance	
Range	4 n, 40 n, 400 n, 4 u, 40 u, 400 u, 4000 µF
Basic accuracy	± (2 % + 8 d)
Resolution	1 pF

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AC75 Specifications *cont.*

Temperature	
Range	-40 °C to 0 °C, 0 °C to 400 °C (-40 °F to 32 °F, 32 °F to 752 °F)
Basic accuracy	± (1 % ± 2 °)
Resolution	0.1 °/1

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 TL245, Type K temperature probe, 9 V battery (installed), operating instructions and carrying case with belt loop

Wavetek Meterman.
The right tool for the job™