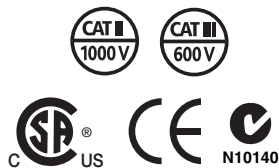


Data Sheet

AC75 Digital Clamp Meter with Temperature



Three tools in one: clamp meter, multimeter and thermometer

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

Custom designed to make HVAC/R service, electrical and industrial maintenance tasks faster and easier. The AC75 combines a heavy duty high-capacity 600 A 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 Meterman. The AC75 is fully safety engineered to US and Canadian standards and rated CAT III 600 V. Test leads rated CAT III 1000 V are included with the unit.

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

Function	Range	Accuracy
Current		
AC Current (50/60 Hz)	400 A, 600 A	0 to 60 A ± (1.9 % + 2 A) 60 to 400 A ± (1.9 % + 1 A) 400 to 600 A ± (2.5 % + 7 A)
Resolution	0.1 A	
DC Current	400, 4000 µA	± (1.0 % + 2 d)
Resolution	0.1 µA	
Voltage		
AC Voltage (50 to 500 Hz)	4 V, 40 V, 400 V, 750 V	± (1.5 % + 5 dgts)
Resolution	1 mV	
DC Voltage	4 V, 40 V, 400 V, 1000 V	± (0.9 % + 2 dgts)
Resolution	1 mV	
Resistance		
	400, 4 kΩ, 40 k, 400 kΩ, 4 M, 40 MΩ	400 Ω ± (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		
		± (1.0 % rdg + 2 dgts)
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	



Specifications *cont.*

Function	Range	Accuracy
Capacitance		
	4 n, 40 n, 400 n, 4 μ , 40 μ , 400 μ , 4 mF	4 n \pm (3.0 % + 20 d) All other ranges \pm (2.0 % + 8 d)
Resolution	1 pF	
Temperature		
	0 °C, 400 °C (32 °F, 750 °F, 1000 °F)	-40 °C to .1 °C \pm (1 % + 4 °C) 0 °C to 400 °C \pm (1 % + 3 °C) -40 °F to 32 °F \pm (1 % + 8 °F) 32 °F to 750 °F \pm (1 % + 6 °F) 750 °F to 1000 °F \pm (2 % + 8 °F)
Resolution	0.1 °C/1 °F	

General Specifications	
Operating temperature	0 °C to 50 °C
Maximum jaw opening	Up to 1.3 in (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 (W x L x D)	84 mm x 212 mm x 40 mm (3.3 in x 8.4 in x 1.6 in)
Weight	Approx. 390 g (15 oz.)

No waiting.

No shipping charges.

No hassle warranty

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that a Meterman test tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.



Included Accessories

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

Optional Accessories

DL243C Basic Test Lead Kit
DL248C Deluxe Test Lead Kit
TL35A Test Lead Set with Alligator Clips

Meterman®
The right tool, everyday.™

Meterman Test Tools

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