



Data Sheet

DM9C

Digital Multi-Tester

Compact multimeter for industry or home

- High-resolution, 4000-count autoranging
- 7 functions/23 ranges
- Battery Test Function with Go/NoGo LED indicator
- Industry standard test leads, safety rated
- Protective holster included
- 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)

Included Accessories

Protective holster, test leads, battery and users manual.

Optional Accessories

VC30A Vinyl Case





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General Specifications

Display	3-3/4 digit LCD, 4000 counts
Display Update Rate	2 per sec. nom.
Range Selection	Auto-ranging
Power Supply	Two standard 1.5 V mA batteries
Battery Life	Alkaline 500 hours, approx.
Auto Power Off	15 minutes
Altitude	2000 m
Fuses	500 mA / 600 V, 10 A / 600 V
Operating Temperature	0 °C to + 50 °C, < 70 % R.H. non-condensing
Storage Temperature	- 10 °C to + 60 °C, < 80 % R.H. non-condensing, batteries removed
Dimensions (H x W x D)	14 cm x 7.8 cm x 5 cm (5.45 in x 3.1 in x 1.55 in)
Weight	215 grams (8.2 oz) including battery
Warranty	One-year

Specifications

Accuracies are indicated at $\pm$ % of full scale values at 23 °C $\pm$ 5 °C; < 75 % R.H.

Function	Range	Accuracy
Voltage		
DC Voltage	400 mV, 4V, 40V, 400V, 600V	$\pm$ (0.8% rdg + 3 dgts)
Resolution	0.1 mV in 400 mV range	
Input Impedance	10 M Ω	
AC Voltage (40 to 1000 Hz) accuracies apply to sine wave inputs only	400 mV, 4V	$\pm$ (1.3 % rdg + 5 dgts)
Resolution	1 mV in 4000 mV range	
Input Impedance	10 M Ω	
Current		
DC Current	40 mA, 400 mA 10 A*	$\pm$ (1.5% rdg + 3 dgts) $\pm$ (2% rdg + 3 dgts)
Resolution	100 μ A in 400 mA range	
AC Current	40 mA, 400 mA 10 A*	$\pm$ (1.5% rdg + 3 dgts) $\pm$ (2% rdg + 3 dgts)
Resolution	100 μ A in 400 mA range	
Burden Voltage	40 mA, 400 mA 10 A	5 mV / mA 40 mV / A
Resistance		
	400 Ω , 4 k Ω , 40 k Ω , 400 k Ω , 4 M Ω , 40 M Ω	$\pm$ (1.5 % rdg + 3 dgts)
Open Circuit Voltage	3.2 V DC in all ranges	
Continuity Test		
Buzzer Sounds at	< 60 Ω	$\pm$ (1.0 % rdg + 2 dgts)
Diode Test		
Test Current	0.5 mA nominal	$\pm$ (1.0 % rdg + 2 dgts)
Test Voltage	3.2 V DC nominal	
Display	Forward junction voltage	
Overload Protection		
Voltage, Resistance, Continuity	600 V AC / DC	
Current	500 mA / 600V, 10 A / 600V	

*10 A for 10 minutes followed by 20 minutes cooling period.

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9/2007 1646350 D-US-N Rev C