



## DM78C Digital Multi-Tester

- Smallest, go anywhere meter
- 5 functions/16 ranges
- Auto-off saves batteries
- Data Hold
- Protective case included
- 3200-count display with analog bargraph

### 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

Pocket carrying case, test leads, battery, and users manual.



## DM78C Digital Multi-Tester

## Data Sheet

### General Specifications

Display:	3¾ digits LCD, max reading 3400
Range selection:	Autoranging and manual range lock
Overrange indication:	OL
Polarity indication:	- is displayed; + is implied
Battery warning:	⚡ displayed when $<1.25\text{ V} \pm 0.1\text{ V}$
Sampling rate:	2/sec display. 20/sec bargraph
Environment:	Indoor operation, 2000 m (6561 ft) max
Temperature/Humidity:	Operation: 0 °C to 40 °C (32 °F to 104 °F), <70 % RH non-condensing Storage: -20 °C to 60 °C (-4 °F to 140 °F), <80 % RH non-condensing
Battery type:	Two 1.5 V (L1154F or LR-44)
Battery life:	70 hours continuous operation
Continuity test:	Beeper alert
Auto-OFF:	After 10 minutes of non-use
Dimensions (H x W x D):	130 x 77 x 18 mm (5.1" x 3.1" x 0.6")
Weight (including battery):	110 g (3.9 oz) including case

### Specifications 23 °C $\pm 5$ °C, 80 % RH Max; Maximum input, all functions/ranges: 600 VDC or AC rms

Function	Range	Accuracy
<b>DC Voltage</b>		
340 mV, 3.4, 34, 340, 600 V	3.4 V range	$\pm 1.0\%$ rdg + 2 dgts
	All other ranges	$\pm 2.0\%$ rdg. + 2 dgts
Resolution	100 $\mu\text{V}$ in 340 mV range	
Input Impedance	340 mV range: $> 100\text{ M}\Omega$ 3.4 V range: $10\text{ M}\Omega$ All other ranges: $9.1\text{ M}\Omega$	
<b>AC Voltage (50~60 Hz)</b>		
	3.4, 34, 340, 600 V	$\pm 4.0\%$ rdg. + 5 dgts
Resolution	1 mV in 3.4 V range	
Input Impedance	3.4 V range: $10\text{ M}\Omega$ All other ranges: $9.1\text{ M}\Omega$	
<b>Resistance</b>		
Ranges	340 $\Omega$ , 3.4, 34, 340 k $\Omega$ , 3.4, 34 M $\Omega$	
Resolution	100 m $\Omega$ in 340 $\Omega$ range	
	340 $\Omega$ , 3.4, 34, 340 k $\Omega$ ranges:	$\pm 2.0\%$ rdg + 4 dgts
	3.4 M $\Omega$ range:	$\pm 3.0\%$ rdg + 4 dgts
	34 M $\Omega$ range:	$\pm 5.0\%$ rdg + 5 dgts
Test Voltage	-0.45 Vdc typical (-1.2 Vdc on 340 $\Omega$ rng)	
<b>Diode Test</b>		
Range	3.4 V	$\pm 3.0\%$ rdg + 3 dgts
Test Current	0.6 mA ( $V_f = 0.6\text{ V}$ )	
<b>Continuity Check</b>		
Range	340 $\Omega$	
Indication	at approx $R < 35\text{ }\Omega$	
Test Current	0.7 mA	

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