



- ## No hassle warranty

No shipping charges.



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: $0\text{ }^{\circ}\text{C}$ to $40\text{ }^{\circ}\text{C}$ ($32\text{ }^{\circ}\text{F}$ to $104\text{ }^{\circ}\text{F}$), $<70\%$ RH non-condensing Storage: $-20\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$ ($-4\text{ }^{\circ}\text{F}$ to $140\text{ }^{\circ}\text{F}$), $<80\%$ 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 $23\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$, 80 % RH Max; Maximum input, all functions/ranges: 600 VDC or AC rms

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

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