

## Data Sheet

# DM7B

## Digital Multi-Tester



### Full performing meter

- Digital display multimeter for home, auto, boat, RV, or workshop
- Industry standard test leads, safety rated
- 6 functions/14 ranges
- Protective holster included
- Special ranges to test batteries
- CAT II 600 V rated

### Specifications Accuracies are indicated at (23 °C ± 5 °C; < 75 % R.H.)

Function	Range	Accuracy
<b>Voltage</b>		
DC Voltage	2 V, 20 V, 200 V, 600 V	± (1.2 % rdg + 3 dgts)
Resolution	1 mV in 2 V range	
Input Impedance	1 MΩ	
AC Voltage (40 to 1000 Hz) <small>accuracies apply to sine wave inputs only</small>	200 V, 600 V	± (1.5 % rdg + 3 dgts)
Resolution	100 mV in 200 V range	
Input Impedance	460 kΩ	
<b>Current</b>		
DC Current	200 mA	± (2.5 % rdg + 3 dgts)
Resolution	100 μA	
<b>Resistance</b>		
	2 kΩ, 20 kΩ, 200 kΩ, 2 MΩ	± (1.5 % rdg + 3 dgts)
Resolution	1 Ω in 1000 Ω range	
Open Circuit Voltage	3.2 V dc	
<b>Diode Test</b>		
Test Current	< 1 mA nominal	± (1.0 % rdg + 2 dgts)
Accuracy	15 %	
Open Circuit Voltage	3.2 V dc nominal	
Display	Forward junction voltage, 1 mV resolution	
<b>Battery Test</b>		
Battery Voltages	1.5 V, 9 V	
Accuracy	± (2.5 % rdg + 3 dgts)	
<b>Overload Protection</b>		
Volts	600 V AC rms/1000 V DC (30 seconds)	
DC Current	200 mA/600 V fast acting glass fuse	



### General Specifications

Display	3-1/2 digit LCD, 1999 counts
Display Update Rate	2 per sec. nom.
Range Selection	Manual
Power Supply	9 V battery, NEDA 1604, JIS006P, IEC 6F22
Battery Life	Alkaline 500 hours, approx.
Operating Temperature	0 °C to + 50 °C, 0 to 80 % R.H. non-condensing
Storage Temperature	- 10 °C to + 60 °C, 0 to 80 % R.H. non-condensing, batteries removed
Altitude	2000 m
Fuse	200 mA / 600 V
Dimensions (H x W x D)	17 cm x 8.5 cm x 5 cm (6.69 in x 3.35 in x 1.97 in)
Weight (incl. battery and holster)	410 grams
Warranty	One-year