



Digital Multimeter DM 4750D

FEATURES

- Display: 80000 counts LCD Display .
- Automatic Polarity, low bat indication.
- Fast Auto ranging measurements with RS 232 interface.
- Max.Hold, Data Hold, Relative Zero Mode.
- Protection category: CAT IV 600V
- TRMS measurement
- Rugged casing.
- Auto Power Off.

GENERAL SPECIFICATIONS

- Power Supply : 9 V (6F 22).
- Operating Temperature : 0°C to 40° C
- Storage Temperature : 20°C to 60°C, <80% R.H (with battery removed)
- Relative Humidity : Max. 80 % up to 31°C
- Dimensions : (L) 195mm x (W) 90mm x (H) 40mm approx. (with Rubber Holster).
- Weight : 600 gms with Holster Approx.
- Temperature Coefficient : Nominal 0.15 x (specified accuracy)/°C @ (0°C-18°C or 28°C-40°C) or otherwise specified

Note : Press RANGE while turning on the power to enter 80,000 counts resolution except at capacitance measurement.

AC VOLTAGE

Range	Resolution	Accuracy		Overload Protection
		50-60 Hz	40-50 Hz 60-400Hz	
800.00mV	10uV	±(0.8%+60)	±(1.5%+60)	1000V DC/ AC rms Continuous
		±(0.8%+40)	±(1.5%+40)	
8.0000V	100uV	±(0.8%+20)	±(1.5%+20)	
80.000V	1mV			
800.00V	10mV			
1000.0V	100mV			

DC VOLTAGE

Range	Resolution	Accuracy	Overload protection
80.000mV	1uV	±(0.05%+40)	1000V DC/ AC rms Continuous
800.00mV	10uV	±(0.05%+20)	
8.0000V	100uV	±(0.8%+20)	
80.00V	1mV	±(0.05%+10)	
800.00	10mV		
1000.0V	100mV		

AC CURRENT

Range	Resolution	Accuracy	Overload protection
80.000mA	1uA	±(0.5%+40)	1A, 250V Test Type Glass Fuse, φ 5 x 20mm
800.00mA	10uA		
8.0000A	100uA	±(0.8%+40)	10A, 250V Test Type Glass Fuse, φ 5 x 20mm
10.000A	10mA		

DC CURRENT

Range	Resolution	Accuracy	Overload protection
80.000mA	1uA	±(0.2%+40)	1A, 250V Test Type Glass Fuse, φ 5 x 20mm
800.00mA	10uA		
8.0000A	100uA	±(0.3%+40)	10A, 250V Test Type Glass Fuse, φ 5 x 20mm
10.000A	10mA		

RESISTANCE, CONDUCTANCE & CONTINUITY TEST

Range	Resolution	Accuracy	Overload protection
800.00Ω	0.01Ω	±(0.3%+60)	600Vp
8.0000kΩ	0.1Ω	±(0.3%+40)	
80.000kΩ	1Ω		
800.00kΩ	10Ω		
8.0000MΩ	100Ω	±(0.5%+20)	
80.00MΩ	1kΩ	±(2% + 20)	
80.000nS	0.001nS	±(2% + 120)	
Continuity Test	0.01Ω	≤ 100Ω	

CAPACITANCE MEASUREMENT

Range	Resolution	Accuracy	Overload protection
1.000nF	1pF	At the REL mode ±(2%+5)	600Vp
10.00nF	10pF	±(2%+3)	
100.0nF	100pF		
1.000uF	1nF		
10.00uF	10nF	±(3%+5)	
100.0uF	100nF		

FREQUENCY MEASUREMENT

Range	Resolution	Accuracy	Overload Protection
1KHz	0.01Hz	±(0.02%+1)	600Vp
10KHz	0.1Hz		
100KHz	1Hz		
1MHz	10Hz		
10Hz-10kHz		±(0.1%+3)	
50Hz-10KHz			

DIODE TEST

Range	Resolution	Overload protection
Diode	1mV	600Vp

DUTY CYCLE

Range	Resolution	Overload Protection
Duty Cycle 1% to 99%	0.01%	600Vp

ACCESSORIES

- A pair of Test leads.
- Batteries Installed
- User's Manual.
- RS 232 interface cable
- CD ROM (Installation guide & computer interface software)

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DBS/PCIDMM-03/Rev-03

NOTES 1. The Instrument is accompanied with Test & calibration sheet. 2. Test Facilities can be provided at the factory with the available test set-ups only. 3. The Company's policy is continuous improvement of its products. we therefore reserve the Right of any deviation from illustration or specifications without notice. 4. Stated accuracies are valid from 1/10th of range to FS. 5. Accuracy Specified for temperature range of 25°C ± 5°C & 55%RH ± 10%.



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