



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	$\pm(0.8\%+60)$	$\pm(1.5\%+60)$	1000V DC/ AC rms Continuous
		$\pm(0.8\%+40)$	$\pm(1.5\%+40)$	
8.0000V	100uV	$\pm(0.8\%+20)$	$\pm(1.5\%+20)$	
80.000V	1mV			
800.00V	10mV			
1000.0V	100mV			

DC VOLTAGE

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

AC CURRENT

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

DC CURRENT

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

RESISTANCE, CONDUCTANCE & CONTINUITY TEST

Range	Resolution	Accuracy	Overload protection
800.00 Ω	0.01 Ω	$\pm(0.3\%+60)$	600Vp
8.0000k Ω	0.1 Ω	$\pm(0.3\%+40)$	
80.000k Ω	1 Ω		
800.00k Ω	10 Ω		
8.0000M Ω	100 Ω	$\pm(0.5\%+20)$	
80.00M Ω	1k Ω	$\pm(2\% + 20)$	
80.000nS	0.001nS	$\pm(2\% + 120)$	
Continuity Test	0.01 Ω	$\leq 100\Omega$	

CAPACITANCE MEASUREMENT

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

FREQUENCY MEASUREMENT

Range	Resolution	Accuracy	Overload Protection
1KHz	0.01Hz	$\pm(0.02\%+1)$	600Vp
10KHz	0.1Hz		
100KHz	1Hz		
1MHz	10Hz		
10Hz-10kHz		$\pm(0.1\%+3)$	1A, 250V Test Type Glass Fuse, ϕ 5 x 20mm 10A, 250V Test Type Glass Fuse, ϕ 5 x 20mm
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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DBSP/CDMM-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 \pm 5°C & 55%RH \pm 10%.