



Digital Multimeter 3³/₄ Digit (Autoranging) **DM3540A**

FEATURES

- 3³/₄ digit autoranging Digital Multimeter with large LCD Display.
- Single Rotary Switch operation.
- Automatic Polarity, Low Batt & overrange indication.
- 33 Segment Bargraph display.
- Auto AC/DC Amp. selection.
- Auto AC/DC Volt selection.
- Auto Power off & Data hold facility.
- Dimension : 140 x 70 x 36mm (approx.)

SPECIFICATIONS

AC Voltage

Range	Accuracy	Resolution	Input Impedance
3.2V	$\pm(1.2\%+5 \text{ digit})$	1mV	Auto AC/DC : 3 M Ω ,
32V		10mV	Manual : 6 M Ω
320V		100mV	
750V		1V	

Overload Protection : 750V AC r.m.s. (Sine wave) or 1000V DC

Frequency response : 50Hz to 400Hz.

AC Current

Range	Accuracy	Resolution	Burden Voltage
320uA	$\pm(1.5\%+5 \text{ digit})$	0.1uA	< 160mV
3200uA		1uA	< 1.6V
32mA		10uA	< 160mV
320mA		100uA	< 1.6V
10A	$\pm(2.5\%+5 \text{ digit})$	10mA	< 60mV

Overload Protection : All ranges Fuse protected including 10A range.

Maximum Input Current : 20A upto 15 seconds.

Overload : 400mA/250V for 320uA-320mA

Resistance

Range	Accuracy	Resolution	Voltage
320 Ω	$\pm(1.2\%+5 \text{ digit})$	0.1 Ω	< 1.5V
3.2 K Ω		1 Ω	
32 K Ω		10 Ω	
320 K Ω		100 Ω	
3.2 M Ω		1 K Ω	
32 M Ω	$\pm(3.5\%+50 \text{ digit})$	10 K Ω	

Overload Protection : Max 250V DC or AC r.m.s. <10secs.

Capacitance

Range	Accuracy	Resolution	Voltage
320 nF	$\pm(8\%+2 \text{ digit})$	0.1nF	< 2V
32 uF	$\pm(8\%+2 \text{ digit})$	10 nF	

Continuity : Buzzer sounds when the resistance is less than 18 Ω .

Diode : Test Current : Approx.1mA.

DC Voltage

Range	Accuracy	Resolution	Input Impedance
320mV	$\pm(0.8\%+2 \text{ digit})$	100uV	Auto AC/DC : 3M Ω Manual: 6M Ω
3.2 V		1mV	
32V		10mV	
320V		100mV	
1000V		1V	

Overload Protection : 1000VDC or 750V AC

DC Current

Range	Accuracy	Resolution	Burden Voltage
320uA	$\pm(1.5\%+2 \text{ digit})$	0.1uA	< 160mV
3200uA		1uA	< 1.6V
32mA		10uA	< 160mV
320mA		100uA	< 1.6V
10A	$\pm(2.5\%+2 \text{ digit})$	10mA	< 60mV

Overload Protection : All ranges Fuse protected including 10A range.

Maximum Input Current : 20A upto 15 seconds.

Accessories

Leads

Instruction Manual

Calibration Certificates



we have a solution.....

DBS/PC/DMM-09/Rev-02

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%.