



EMPOWERING  
MEASUREMENT



## Digital Multimeter 3<sup>3</sup>/<sub>4</sub> Digit (Autoranging )

# DM3540A

### FEATURES

- 3<sup>3</sup>/<sub>4</sub> 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	±(1.2%+5 digit)	1mV	Auto AC/DC : 3 MΩ, Manual : 6 MΩ
32V		10mV	
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	±(1.5%+5 digit)	0.1uA	< 160mV
3200uA		1uA	< 1.6V
32mA		10uA	< 160mV
320mA		100uA	< 1.6V
10A	±(2.5%+5 digit)	10mA	< 60mV

**Overload Protection** : All ranges Fuse protected including 10A range.  
**Maximum Input Current** : 20A upto 15 seconds.  
**Overload** : 400mA/250V for 320μA-320mA

### Resistance

Range	Accuracy	Resolution	Voltage
320 Ω	± (1.2%+5 digit)	0.1 Ω	< 1.5V
3.2 KΩ		1 Ω	
32 KΩ		10 Ω	
320 KΩ		100 Ω	
3.2 MΩ		1 KΩ	
32 MΩ	± (3.5%+50 digit)	10 KΩ	

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

### Capacitance

Range	Accuracy	Resolution	Voltage
320 nF	±(8%+2 digit)	0.1nF	< 2V
32 uF	±(8%+2 digit)	10 nF	

**Continuity** : Buzzer sounds when the resistance is less than 18Ω.  
**Diode** : Test Current : Approx.1mA.

### DC Voltage

Range	Accuracy	Resolution	Input Impedance
320mV	± (0.8% +2 digit)	100uV	Auto AC/DC : 3MΩ Manual: 6MΩ
3.2 V		1mV	
32V		10mV	
320V		100mV	
1000V		1V	

**Overload Protection** : 1000VDC or 750V AC

### DC Current

Range	Accuracy	Resolution	Burden Voltage
320uA	± (1.5%+2 digit)	0.1uA	< 160mV
3200uA		1uA	< 1.6V
32mA		10uA	< 160mV
320mA		100uA	< 1.6V
10A	±(2.5%+2 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 ± 5°C & 55%RH ± 10%.



**The Motwane Manufacturing Company Pvt. Ltd.**

