



Digital Multimeter

DM352

FEATURES

- Heavy duty Shock, Dust and Drop proof.
- Fully protected on all Voltage, Current and Resistance ranges against accidental overload voltages upto 450V AC/DC
- Unique basic accuracy of 0.25% on DC Voltage.
- Optional 40 KV AC/DC high voltage probe.

GENERAL SPECIFICATIONS

- Display : 3½ Digit, 0.5" LCD with LOBAT & polarity Indication.
- Power : Single standard 9V battery (Type 6F22 / 216 or equivalent).
- Over-Range Indication : '1' display with other digits blanked.
- Transient Protection : 2KV (DCV, ACV & Ω ranges).
- Temperature co-efficient : (0.10 x Specified Accuracy) / Deg.C.
- Dimension : Approx 100mm(W) x 45mm(D) x 180(H)mm approx.
- Net Weight : Approx. 500gm
- Response Time : < 1 sec.

ELECTRICAL SPECIFICATIONS :

At 25° C ±3° and 50% RH±10% from 20% FS to FS

AC CURRENT

Range	Accuracy ±(%RDG+ counts)	Resolution
	50Hz - 500Hz	
200 μA	1.00% + 5	0.1μA
2000 μA	1.00% + 5	1μA
20 mA	1.00% + 5	10μA
200 mA	1.00% + 5	100μA
2 A	1.25% + 5	1mA
10 A	1.50% + 5	10mA

Overload Protection : 2A, 250V (Fuse Protected)
10A range unfused
Setting time : 5 sec.

AC VOLTAGE

Range	Accuracy ±(%RDG+Counts)	Resolution	Overload Protection
200mV	0.5%+5	0.1mV	±400V DC, 450V AC(40Hz-500Hz)
2000mV	0.5%+5	1mV	±1000V DC, 1000V AC (40Hz-500Hz)
20V	0.5%+5	10mV	±1000V DC, 1000V AC (40Hz-500Hz)
200V	0.5%+5	100mV	±1000V DC, 1000V AC (40Hz-500Hz)
1000V	0.5%+5	1V	±1000V DC, 1000V AC (40Hz-500Hz)

Input Impedance : 10 MΩ shunted by less than 50pF (approx.)
Setting time : 5 sec.

RESISTANCE

Range	Accuracy ±(%RDG+Counts)	Max Voltage	Resolution
200 Ω	0.50% +3	400mV	0.1 Ω
2 KΩ	0.50% +3	2.2 V	1 Ω
20 KΩ	0.50% +3	2.2 V	10 Ω
200 KΩ	0.50% +3	2.2V	100 Ω
2 MΩ	0.50% +3	2.2V	0.001 MΩ
20 MΩ	0.50% +3	2.2V	0.01 MΩ

Overload Protection: 450V AC/DC, Open Circuit Voltage < 3.2V
Setting time : 1 sec. and 5 sec. for 20 MΩ range

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%.

DC CURRENT

Range	Accuracy ±(%RDG+ counts)	Resolution
200 μA	0.75%+2	0.1μA
2000 μA	0.75%+2	1μA
20 mA	0.75%+2	10μA
200 mA	0.75%+2	100μA
2 A	1.00%+2	1mA
10 A	1.25%+2	10mA

Overload Protection : 2A, 250V (Fuse Protected)
10A range unfused
Setting time : 1 sec.

DC VOLTAGE

Range	Accuracy ±(%RDG +Counts)	Resolution	Overload Protection
200mV	0.25%+1	0.1mV	±630V DC/350AC
2000mV	0.25%+1	1mV	±1000V DC/AC
20V	0.25%+1	10mV	±1000V DC/AC
200V	0.25%+1	100mV	±1000V DC/AC
1000V	0.25%+1	1V	±1000V DC/AC

Input Impedance : 10 MΩ (approx.)
Setting time : 1 sec.

CONTINUITY TEST

Range	Audible Threshold (Continuous Tone)	Overload Protection
200Ω	< 10 Ω	450V AC/DC

ACCESSORIES SUPPLIED :

Pair of test leads, Instruction Manual & 9V Battery.

DIODE TEST

Built in 2K range

we have a solution....

DBS/PC/DMM-01/Rev-02



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