

DM-91

Features:

- 3½ Digital Multimeter
- Large LCD Display with Manual Range
- Auto Power Off (APO) under natural operation
- Full protection in All Ranges.
- Backlight LCD
- Terminal Shutter Interlock Mechanism



DC VOLTAGE

Range	Resolution	Accuracy
200mV	0.1mV	±0.5% of rdg + 1 digits
2V	1mV	±0.5% of rdg + 3 digits
20V	10mV	
200V	100mV	
1000V	1V	±0.8% of rdg + 3 digits

DC CURRENT

Range	Resolution	Accuracy
20µA	10nA	±1.2% of rdg + 3 digits
2mA	1µA	±1.0% of rdg + 3 digits
200mA	100µA	±1.5% of rdg + 5 digits
10A	10mA	±2.0% of rdg + 10 digits

AC VOLTAGE

Range	Resolution	Accuracy
2V	1mV	± 1.0% of rdg + 5 digits
20V	10mV	
200V	100mV	
700V	1V	± 1.2% of rdg + 5 digits

AC CURRENT

Range	Resolution	Accuracy
20mA	10µA	±1.2% of rdg + 5 digits
200mA	100µA	±2.0% of rdg + 5 digits
10A	10mA	±3.0% of rdg + 10 digits

RESISTANCE

Range	Resolution	Accuracy
200Ω	0.1Ω	±1.0% of rdg + 10 digits
2kΩ	1Ω	±1.0% of rdg + 1 digits
20kΩ	10Ω	
200kΩ	100Ω	±1.0% of rdg + 5 digits
20MΩ	10KΩ	
200MΩ	100KΩ	±5.0% of rdg - 10 digits + 20 digits

CAPACITANCE

Range	Resolution	Accuracy
2nF	1pF	±4.0% of rdg + 3 digits
200nF	0.1nF	
2µF	1nF	±5.0% of rdg + 3 digits
200µF	100nF	

TRANSISTOR hFE TEST

Range	Test Range	Test Current/Voltage
NPN or PNP	0-1000	I _b =10µA/V _{ce} =3A

FREQUENCY

Range	Resolution	Accuracy
200KHz	100Hz	±1.5% of rdg + 10 digits

TEMPERATURE

Range	Resolution	Accuracy
-20~0°C	1°C	±5.0% of rdg + 5 digits
0~400°C		±1.0% of rdg + 3 digits
400~1000°C		±2.0% of rdg + 3 digits

Special Function

Diode Test	✓	Anti Shock Protect	✓
Transistor Testing	✓	Input impedance	10MΩ
Continuity Buzzer	Approx. < 30Ω+10Ω	Sampling Rate	3 times per second
Low Battery Display	Approx. < 7.5V	AC Frequency Response	40-400Hz
Auto Power OFF	Approx. 30 min.	Power	9V (6F22) X 1

- Standard Accessories : Test Leads, Manual
- Dimension : 185(H) x 93(W) x 35(D)mm

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- Backlight LCD



DC VOLTAGE

Range	Resolution	Accuracy
200mV	0.1mV	±0.5% of rdg + 3 digits
2V	1mV	
20V	10mV	
200V	100mV	±1.0% of rdg + 3 digits
1000V	1V	

DC CURRENT

Range	Resolution	Accuracy
200µA	0.1µA	±0.8% of rdg + 3 digits
2mA	1µA	
20mA	10µA	±1.2% of rdg + 4 digits
200mA	100µA	
20A	10mA	±2.0% of rdg + 5 digits

AC VOLTAGE

Range	Resolution	Accuracy
2V	1mV	± 0.8% of rdg + 5 digits
20V	10mV	
200V	100mV	
750V	1V	± 1.2% of rdg + 5 digits

AC CURRENT

Range	Resolution	Accuracy
20mA	10µA	±1.0% of rdg + 5 digits
200mA	100µA	±2.0% of rdg + 5 digits
10A	10mA	±3.0% of rdg + 10 digits

RESISTANCE

Range	Resolution	Accuracy
200Ω	0.1Ω	±0.8% of rdg + 5 digits
2kΩ	1Ω	±0.8% of rdg + 3 digits
20kΩ	10Ω	
200kΩ	100Ω	±1.0% of rdg + 15 digits
2MΩ	1KΩ	
20MΩ	10KΩ	±5.0% of rdg - 10 digits + 20 digits
200MΩ	100KΩ	

CAPACITANCE

Range	Resolution	Accuracy
20nF	10pF	±2.0% of rdg + 20 digits
200nF	100pF	
2µF	1nF	±2.5% of rdg + 20 digits
200µF	100nF	

TRANSISTOR hFE TEST

Range	Test Range	Test Current/Voltage
NPN or PNP	0-1000	Base DC current is approx. 10µA, V _{ce} is approx. 3V

Special Function

Diode Test	✓	Anti Shock Protect	✓
Transistor Testing	✓	Input impedance	10MΩ
Continuity Buzzer	Approx. < 30Ω+10Ω	Sampling Rate	3 times per second
Low Battery Display	Approx. < 7.5V	AC Frequency Response	40-400Hz
Auto Power OFF	Approx. 30 min.	Power	9V (6F22) X 1

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