



Model 189 DM

Digital Multimeter

Features

- 4000-count LCD.
- Auto ranging.
- Voltage, Resistance, Continuity, Diode measurement.
- Frequency, Capacitance, Current measurement.
- Wide range for capacitance test : 0~4000μF.
- Data hold function.
- Low battery indication.
- Over range indication.
- Auto power off.
- With a convenient stand for viewing.
- Compact and lightweight.



Frequency

Range	Resolution	Accuracy
4 kHz	1 Hz	±(0.5%rdg+2dgt)
40 kHz	10 Hz	
100 kHz	100 Hz	

Continuity

Range	Audible threshold
400Ω	Less than 25 Ω

Resistance

Range	Resolution	Accuracy
400Ω	0.1 Ω	±(1.2%rdg+3dgt)
4kΩ	1 Ω	
40kΩ	10 Ω	
400kΩ	100 Ω	
4MΩ	1 kΩ	±(2.0%rdg+4dgt)
40MΩ	10 kΩ	

Capacitance

Range	Resolution	Accuracy
4 nF	1 pF	±(3%rdg+10dgt)
40 nF	10 pF	
400 nF	100 pF	
4 μF	1 nF	
40 μF	10 nF	
400 μF	100 nF	
4 mF	1 μF	

General

Dimensions	165mm(L) x 82mm(W) x 45mm(D)
Weight	Approx. 246g (battery included)
Power source	1.5V (AAA) battery x 2
Safety standard	EN 61010-1 CAT III 600V EN 61326-1

AC Voltage (Input impedance : 10MΩ)

Range	Resolution	Accuracy
400mV	0.1mV	±(0.5%rdg+3dgt)
4V	1mV	
40V	10mV	
400V	100mV	
750V	1V	

DC Voltage (Input impedance : 10MΩ)

Range	Resolution	Accuracy
400mV	0.1mV	±(1.0%rdg+5dgt)
4V	1mV	
40V	10mV	
400V	100mV	
1000V	1V	

AC mA / μA (Overload protection 0.5A/250V fast blow fuse for 400mA)

Range	Resolution	Accuracy
400μA	0.1μA	±(1.0%rdg+6dgt)
4000μA	1μA	
40mA	0.01mA	
400mA	0.1mA	

DC mA / μA (Overload protection 0.5A/250V fast blow fuse for 400mA)

Range	Resolution	Accuracy
400μA	0.1μA	±(1.0%rdg+6dgt)
4000μA	1μA	
40mA	0.01mA	
400mA	0.1mA	

Diode

Range	Accuracy
2V	±(1.5%rdg+3dgt)

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