



Model 189 DM

Digital Multimeter



CE

- 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.

Specifications

DC Voltage (Input impedance : 10MΩ)

Range	Resolution	Accuracy
400mV	0.1mV	
4V	1mV	
40V	10mV	±(0.5%rdg+3dgt)
400V	100mV	
1000V	1V	

AC Voltage (Input impedance : 10MΩ)

Range	Resolution	Accuracy
400mV	0.1mV	
4V	1mV	
40V	10mV	±(1%rdg+5dgt)
400V	100mV	
750V	1V	

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

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

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

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

Continuity

Range	Audible threshold
400Ω	Less than 25 Ω

Diode

Range	Accuracy
2V	±(1.5%rdg+3dgt)

Resistance

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

Capacitance

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

Frequency

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

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 61010-2-30, EN 61326-1

Hoyt Electrical Instrument Works, Inc.

23 Meter Street
Penacook, NH 03303

Phone: (800) 258-3652
Fax: (603) 753-9592
Email: sales@hoytmeter.com

www.hoytmeter.com