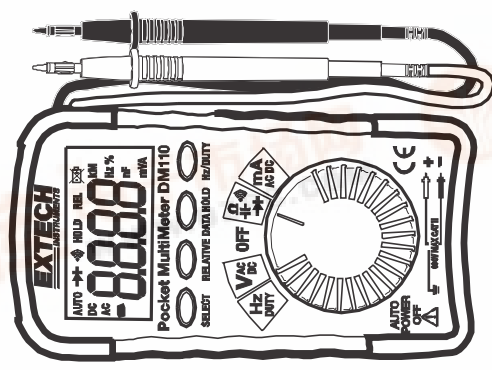




EXTRECH INSTRUMENTS

**Pocket Multimeter
4000 Count Autoranging DMM
Model: DM110**



Warranty

EXTRECH INSTRUMENTS CORPORATION warrants this instrument to be free of defects in parts and workmanship for one year from date of shipment (a six month limited warranty applies on sensors and cables). If it should become necessary to return the instrument for service during or beyond the warranty period, contact the Customer Service Department at (781) 890-7440 ext. 210 for authorization or visit our website at www.exttech.com for contact information. A Return Authorization (RA) number must be issued before any product is returned to Exttech. The sender is responsible for shipping charges, freight, insurance and proper packaging to prevent damage in transit. This warranty does not apply to defects resulting from action of the user such as misuse, improper wiring, operation outside of specification, improper maintenance or repair, or unauthorized modification. Exttech specifically disclaims any implied warranties or merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. Exttech's total liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied.

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DM110 V2.1 04/06

Safety

International Safety Symbols



This symbol, adjacent to another symbol or terminal, indicates the user must refer to the manual for further information.



This symbol, adjacent to a terminal, indicates that, under normal use, hazardous voltages may be present.



Double insulation

Safety Precautions

1. Improper use of this meter can cause damage, shock, injury or death. Read and understand this user's manual before operating the meter.
2. Make sure any covers or battery doors are properly closed and secured.
3. Always disconnect the test leads from any voltage source before replacing the battery or fuses.
4. Do not exceed the maximum rated input limits.
5. Use great care when making measurements if the voltages are greater than 25VAC rms or 35VDC. These voltages are considered a shock hazard.
6. Always discharge capacitors and remove power from the device under test before performing Capacitance, Diode, Resistance or Continuity tests.
7. Remove the battery from the meter if the meter is to be stored for long periods.

Specifications

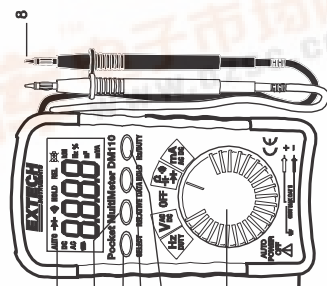
Electrical Specifications

Function	Range	Accuracy
DC Voltage	400.0mV	±(0.7% rdg + 3d)
	4.000V, 40.00V,	±(1.0% rdg + 3d)
	400.0V, 500V	±(1.3% rdg + 3d)
AC Voltage (40-400Hz)	4.000V, 40.00V	±(1.0% rdg + 10d)
	400.0V, 500V	±(2.3% rdg + 5d)
DC Current (50-60 Hz)	40.00mA	±(2.0% rdg + 5d)
	400.0mA	±(2.5% rdg + 10d)
Resistance	400.0Ω, 4.000KΩ, 40.00KΩ, 400.0KΩ	±(2.0% rdg + 5d)
	4.000MΩ	±(5.0% rdg + 5d)
Capacitance	4.000nF	±(10.0% rdg + 0.3nF)
	40.00nF	±(5.0% rdg + 30d)
	400.0nF	±(3.0% rdg + 15d)
	4.000μF, 40.00μF, 200.0μF	±(10.0% rdg + 15d)
Frequency	9.999Hz, 99.99Hz, 999.9Hz, 9.999kHz, 99.99kHz, 999.9kHz, 10MHz	±(2.0% rdg + 5d)
	0.1-99%	±(2.0% rdg + 5d)

Description

Meter Description

1. 3 3/4 Digit (4000 count)
2. RELATIVE button
3. SELECT button
4. DATA HOLD button
5. Hz/DUTY button
6. Function switch
7. Rubber holster
8. Test leads



Max input voltage

500V AC/DC
10Vrms min. <9.999KHz
40Vrms min. >99.99KHz
Test current 1mA max., open circuit voltage of 1.5V typical

Continuity Check Display

Audible signal if the resistance is < 60Ω
4000 count 3 1/4 digit LCD

Over range indication

Minus (-) sign for negative polarity. "BAT" symbol indicates low battery condition.

Low Battery Indication

CR2032 3V Lithium
Operating Temperature 32°F to 104°F (0°C to 40°C)
Storage Temperature 14°F to 122°F (-10°C to 50°C)
Weight 1.7oz (50g)
Size 4.25x2.2x.5" (108x56x11.5mm)
Standard IEC1010 CAT II 600V Pollution degree II, CE Approved

