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## Greenlee DM-25

# Greenlee DM-25 CATIII 600V Manual Ranging Digital Multimeter User Manual

Model: DM-25 | Brand: Greenlee

## 1. Product Overview

The Greenlee DM-25 is a versatile manual ranging digital multimeter designed for electrical professionals. It offers essential measurement capabilities including frequency, capacitance, duty cycle, temperature, battery testing, and features an analog bar graph for easy interpretation of readings. This tool is engineered to enhance efficiency in various job applications.



A front view of the Greenlee DM-25 Digital Multimeter, showcasing its green casing, large digital display, and rotary dial for function selection. The test leads are connected at the bottom.

### Key Features:

- Large, easy-to-read display for clear measurement visibility.

- ETL and CE approved, ensuring compliance with safety and quality standards.
- Manual and auto-ranging capabilities for flexible measurement applications.
- Measures frequency, capacitance, duty cycle, and temperature.
- Includes a battery test function.
- Analog bar graph for quick trend indication.

## 2. Safety Information

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Always observe all safety precautions when working with electrical systems. The DM-25 is rated for CATIII 600V. Do not exceed the maximum voltage rating of 600 Volts. Ensure the multimeter is in good working condition and test leads are not damaged before use. Always disconnect power to the circuit before making connections or disconnections, and use appropriate personal protective equipment.

## 3. Setup

Before using your Greenlee DM-25 multimeter, ensure it is properly set up and ready for operation.

### Battery Installation:

The DM-25 requires one 9V battery for operation, which is included with the product. To install or replace the battery:

1. Ensure the multimeter is turned OFF.
2. Locate the battery compartment on the back of the unit.
3. Use a screwdriver to open the battery compartment cover.
4. Insert the 9V battery, observing the correct polarity (+/-).
5. Replace the battery compartment cover and secure it with the screw.



A user is shown testing a 9V battery using the Greenlee DM-25 multimeter, demonstrating the battery test function and proper lead connection.

## Connecting Test Leads:

Connect the red test lead to the 'VΩmA' input jack and the black test lead to the 'COM' input jack for most voltage, resistance, and current measurements. Refer to the specific measurement function for correct lead placement.

## 4. Operating Instructions

The Greenlee DM-25 offers both manual and auto-ranging capabilities. Use the rotary dial to select the desired measurement function and range.

### Voltage Measurement (AC/DC):

1. Turn the rotary dial to the desired AC (V~) or DC (V=) voltage range.
2. Connect the test leads in parallel to the circuit or component being measured.
3. Read the voltage value on the display.



A user is holding the Greenlee DM-25 multimeter, with its test leads inserted into a wall outlet to measure voltage, demonstrating a

common application.

### **Resistance Measurement ( $\Omega$ ):**

1. Turn the rotary dial to the desired resistance ( $\Omega$ ) range.
2. Ensure the circuit is de-energized before measuring resistance.
3. Connect the test leads across the component.
4. Read the resistance value on the display.



The Greenlee DM-25 multimeter is shown on a wooden surface, displaying a reading while its leads are connected to a small battery, illustrating its use for battery testing.

## Battery Test Function:

The DM-25 includes dedicated settings for testing 1.5V and 9V batteries. Select the appropriate battery test range on the rotary dial and connect the leads to the battery terminals to check its charge level.

## 5. Maintenance

Proper maintenance ensures the longevity and accuracy of your Greenlee DM-25 multimeter.

### Cleaning:

Wipe the meter with a damp cloth and mild detergent. Do not use abrasives or solvents. Keep the display clean for optimal readability.

### Storage:

When not in use for extended periods, remove the battery to prevent leakage. Store the multimeter in a dry, cool place, away from direct sunlight and extreme temperatures.

## 6. Troubleshooting

If you encounter issues with your DM-25 multimeter, refer to the following common troubleshooting steps:

- **No Display/Faint Display:** Check the battery. Replace if necessary. Ensure the battery is installed with correct polarity.
- **Incorrect Readings:** Verify that the correct function and range are selected for the measurement. Ensure test leads are properly connected and not damaged. Check the circuit for proper connection.
- **"OL" or Overload Indication:** This indicates the measured value is outside the selected range. Switch to a higher range or verify the circuit is within the meter's capabilities.
- **Meter Does Not Turn On:** Confirm the rotary dial is not set to OFF. Check battery installation and charge.

For persistent issues, contact Greenlee customer support.

## 7. Specifications

Specification	Value
Brand	Greenlee
Model Number	DM-25
Power Source	Battery Powered
Style	Manual Ranging Digital Multimeter
Color	Green
Item Weight	12.8 ounces
Item Dimensions (L x W x H)	10.25 x 6 x 2.5 inches
Upper Temperature Rating	140 Degrees Fahrenheit
Measurement Type	Multimeter
UPC	783310003342
Manufacturer	Greenlee Textron
Batteries Required	1 9V battery (included)

Average Battery Life	360 Hours
Voltage Rating	600 Volts
Country of Origin	China

## 8. Warranty and Support

The Greenlee DM-25 Digital Multimeter comes with a Lifetime Warranty, reflecting the manufacturer's commitment to quality and durability.

For technical support, service, or warranty claims, please contact Greenlee Textron customer service. You can find contact information and additional resources on the official Greenlee website.

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