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## SPERRY SDMM10000R

# Sperry Instruments SDMM10000R Smart Digital Multimeter User Manual

Comprehensive guide for operation, maintenance, and troubleshooting.

## 1. INTRODUCTION

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The Sperry Instruments SDMM10000R Smart Digital Multimeter is a versatile tool designed for electrical professionals and DIY enthusiasts. It combines traditional multimeter functions with smart capabilities, allowing users to view, monitor, capture, and share readings directly from a smartphone or tablet. This manual provides essential information for safe and effective use of your device.

## 2. KEY FEATURES

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- Software and app integration for viewing, monitoring, holding, and capturing multimeter readings.
- Functions as a traditional digital multimeter and is fully functional with a smartphone or tablet.
- Free downloadable app for iOS and Android systems.
- Data logging with instant sharing capabilities via email, text, picture, and Excel.
- High-impact ABS housing with a 250 lb crush rating and ability to withstand a 10-foot drop.
- Measures AC voltage, DC voltage, resistance, continuity, and performs diode tests.

## 3. INITIAL SETUP

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### 3.1 Battery Installation

The SDMM10000R requires two LR44 batteries for operation, which are included. Locate the battery compartment on the back of the device, open it, insert the batteries according to the polarity markings, and securely close the compartment.

### 3.2 App Installation

To utilize the smart features, download the free companion app from the Apple App Store (for iOS devices) or Google Play Store (for Android devices). Search for 'Sperry Smart Meter' or refer to the product packaging for specific app details.

Ensure your device's Bluetooth is enabled for connectivity.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Measurements

Connect the red and black test leads to the appropriate input jacks on the multimeter. Select the desired measurement function (e.g., AC voltage, DC voltage, resistance) using the rotary dial or function buttons. Carefully apply the test probes to the circuit or component being measured. The reading will be displayed on the multimeter's screen.



Figure 1: The Sperry Instruments SDMM10000R Smart Digital Multimeter in use, measuring voltage from an electrical outlet.

### 4.2 Smart Functions and Data Logging

Once the app is installed and your multimeter is connected via Bluetooth, you can access advanced features. The app allows for real-time viewing of measurements, data logging over time, and the ability to capture screenshots of readings. Data can be exported and shared instantly via email, text, or Excel spreadsheets, facilitating easy record-keeping and collaboration.

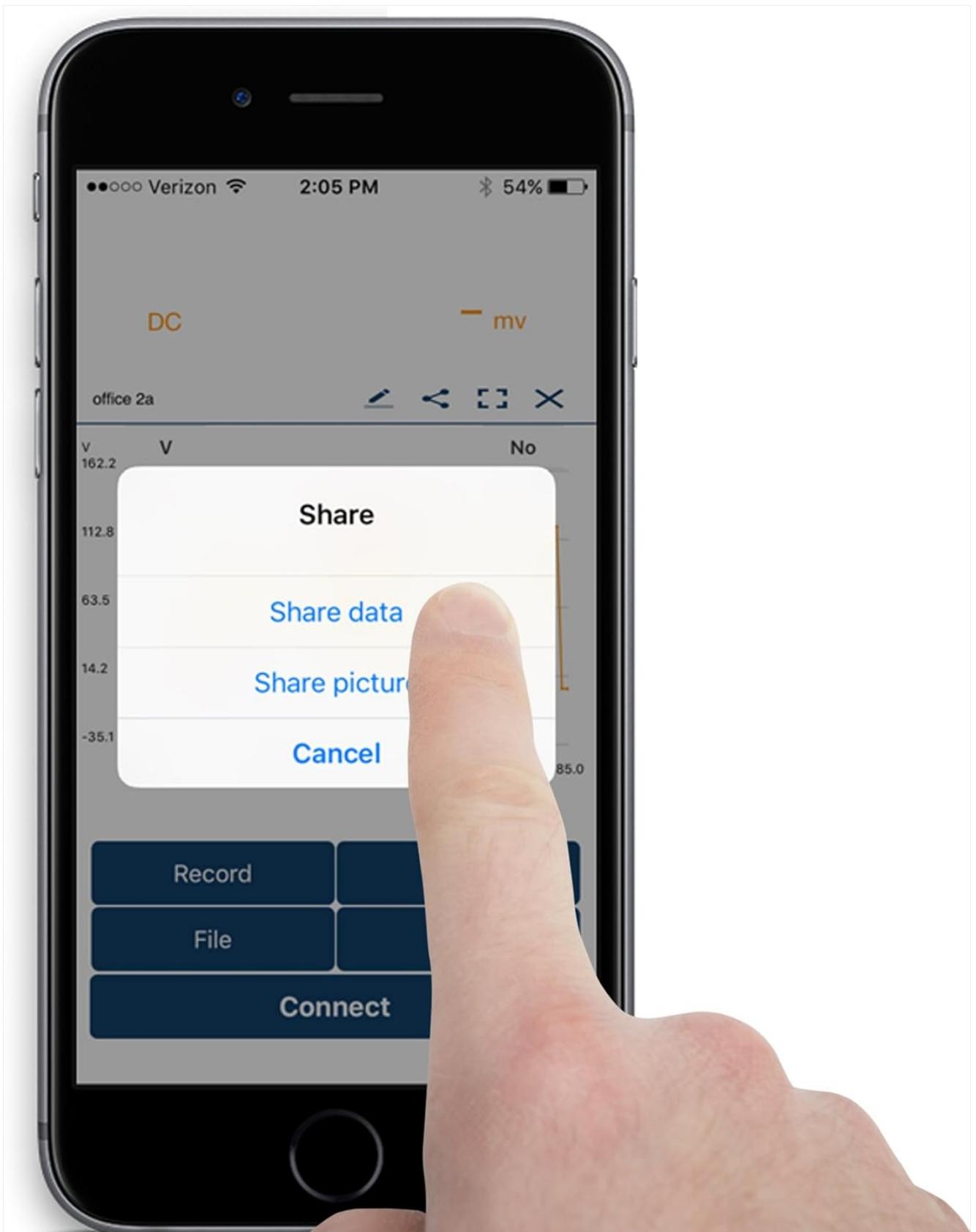


Figure 2: A smartphone displaying the Sperry Smart Meter app, showing options to share data or pictures.



Figure 3: A laptop displaying electrical measurement data, likely exported from the Smart Digital Multimeter app, in a spreadsheet format.

## 5. SAFETY INFORMATION

Always consult all technical literature before operating any electrical testing tools. It is crucial to reference the National Electric Code before performing any type of electrical work. Prioritize safety first to prevent injury or damage to equipment.

## 6. PRODUCT OVERVIEW VIDEO

Watch this video for a general overview of multimeters, including typical functions and features. While it may feature various models, the principles of operation and safety apply broadly to the Sperry Instruments SDMM10000R.

Your browser does not support the video tag.

Video: Overview of Multimeter Testers, demonstrating various measurement types and features.

## 7. MAINTENANCE

To ensure the longevity and accuracy of your Sperry Instruments SDMM10000R, keep the device clean and free from dust and moisture. Store it in a dry environment away from extreme temperatures. Regularly inspect the test leads for any signs of wear or damage and replace them if necessary. Do not attempt to open the device casing beyond the battery compartment for repairs, as this may void the warranty and pose a safety risk.

## 8. TROUBLESHOOTING

- **Device Not Powering On:** Check battery installation and ensure batteries are not depleted. Replace if necessary.
- **Inaccurate Readings:** Verify that the correct measurement function is selected and test leads are properly

connected. Ensure the probes are making good contact with the circuit.

- **App Connectivity Issues:** Confirm Bluetooth is enabled on both the multimeter and your smart device. Ensure the app is up to date and try restarting both devices.
- **No Display:** Check battery level. If the display is blank or dim, replace the batteries.

## 9. TECHNICAL SPECIFICATIONS

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Specification	Value
Brand	SPERRY
Model Number	SDMM10000R
Power Source	Battery Powered (2 LR44 batteries included)
Style	Digital
Color	Yellow
Item Weight	0.25 Pounds (approx. 4 ounces)
Product Dimensions (L x W x H)	1 x 4.6 x 8.2 inches
Min. Operating Voltage	400 Volts (DC)
Max. Voltage	600 Volts
Measurement Type	Multimeter (AC/DC Voltage, Resistance, Continuity, Diode Test)
Material	ABS
Specification Met	CE, UL

## 10. WARRANTY AND SUPPORT

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The Sperry Instruments SDMM10000R Smart Digital Multimeter is backed by a Limited Lifetime Warranty. For detailed warranty information, claims, or technical support, please visit the official Sperry Instruments website or contact their customer service department. Keep your purchase receipt as proof of purchase.