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## Fluke 115

# Fluke 115 Digital Multimeter User Manual

Model: 115

Brand: Fluke

### PRODUCT OVERVIEW

The Fluke 115 Field Service True-RMS Technicians Multimeter is a compact and versatile instrument designed for a wide variety of electrical and electronic testing applications. It provides accurate True-RMS voltage and current readings, along with capabilities for testing resistance, continuity, frequency, and capacitance. Its robust design and clear display make it suitable for field technicians and professionals requiring reliable measurements.



Figure 1: Front view of the Fluke 115 Digital Multimeter, showing the display, rotary dial, and input jacks.

## WHAT'S IN THE BOX

- Fluke 115 Multimeter

- Holster
- 9V Battery (installed)
- 4mm Silicone Test Lead Set
- User Manual



Figure 2: Contents of the Fluke 115 package, including the multimeter, test leads, and user manual.

## SETUP

### 1. Battery Installation (if not pre-installed)

The Fluke 115 typically comes with the 9V battery pre-installed. If replacement is needed, locate the battery access door on the back of the unit. Use a screwdriver to open the compartment, insert a new 9V battery, ensuring correct polarity, and secure the door.

### 2. Connecting Test Leads

1. Insert the black test lead into the **COM** (common) input jack.
2. Insert the red test lead into the appropriate input jack based on the measurement type:
  - For voltage (V), resistance ( $\Omega$ ), capacitance, and frequency (Hz) measurements, use the **V $\Omega$ Hz** input jack.
  - For current (A) measurements up to 10A, use the **10 A FUSED** input jack.





Figure 3: The Fluke 115 Multimeter being held, demonstrating its compact size and ease of handling for field use.

## OPERATING INSTRUCTIONS

The Fluke 115 features a large rotary dial for selecting measurement functions and buttons for additional features like HOLD, MIN/MAX, and RANGE.

### Measurement Functions

- **AC/DC Voltage (V~ / V—):** Select the V~ (AC) or V— (DC) position on the rotary dial. The meter measures True-RMS voltage up to 600V.

- **Resistance ( $\Omega$ ):** Select the  $\Omega$  position. The meter will display resistance in Ohms.
- **Continuity ( $\varnothing$ ):** Select the continuity position. A simple beep indicates when a wire or fuse is functioning properly.
- **Capacitance ( $\perp$ ):** Select the capacitance position. Measures capacitance values.
- **Frequency (Hz):** Select the Hz position. Measures the frequency of AC signals.
- **AC/DC Current ( $A\sim$  /  $A-$ ):** Select the  $A\sim$  (AC) or  $A-$  (DC) position. Measures current up to 10A (20A momentary for 30 seconds).
- **Diode Test ( $\rightarrow|-\$ ):** Select the diode test position to check diode functionality.

## Special Features

- **Min/Max/Average:** Press the **MINMAX** button to record signal fluctuations over time. This feature captures the minimum, maximum, and average readings.
- **Hold:** Press the **HOLD** button to freeze the current reading on the display.
- **Range:** The meter features auto-ranging. Press the **RANGE** button to manually select a measurement range if desired.
- **Backlight:** Press the backlight button (sun icon) to illuminate the display for work in poorly lit areas.



Figure 4: The Fluke 115 Multimeter being used to take measurements on an electrical panel, highlighting its practical application.

## MAINTENANCE

### Battery and Fuse Replacement

To replace the battery or fuses, refer to the detailed instructions in the full user manual. The meter's yellow protective holster can be removed to access the battery and fuse compartment on the back. Ensure the meter is turned off and test leads are disconnected before attempting any maintenance.





Figure 5: The Fluke 115 Multimeter positioned on a workbench, ready for use or maintenance.

## TROUBLESHOOTING

### Common Issues and Solutions

- **No Display or Faint Display:** Check battery level and replace if necessary. Ensure the battery contacts are clean. If the display remains faint, refer to the full user manual for advanced troubleshooting steps, which may

involve cleaning internal display connections.

- **Inaccurate Readings:** Verify that the test leads are properly connected to the correct input jacks for the selected measurement function. Ensure the rotary dial is set to the appropriate function. Check for damaged test leads or probes.
- **Meter Does Not Turn On:** Confirm the battery is correctly installed and has sufficient charge.

### SPECIFICATIONS

Feature	Detail
Brand	Fluke
Model Number	115
Product Dimensions	10.83 x 16 x 3.94 inches; 1.32 Pounds
Item Weight	600 Grams
Power Source	Battery Powered (2 AA batteries required, included)
Style	TRUE RMS MULTIMETER
Color	Yellow
Safety Rating	CAT III 600V
Voltage Measurement	AC/DC Voltage up to 600 V
Current Measurement	Current up to 10 A (20 A momentary for 30 seconds)
Other Measurements	Resistance, Continuity, Frequency, Capacitance
Display	6000 count resolution with large white LED backlight

### WARRANTY INFORMATION

Specific warranty details for the Fluke 115 Digital Multimeter are typically provided by the manufacturer, Fluke, at the time of purchase or within the official product documentation. Please refer to the warranty card included with your product or visit the official Fluke website for the most current and comprehensive warranty terms and conditions.

*Note: The provided product information includes a legal disclaimer regarding returns: "Returns accepted on all unopened merchandise. 10% restocking fee applies." This pertains to return policy and not the product's operational warranty.*

### SUPPORT







For technical assistance, product inquiries, or service, please contact Fluke customer support directly. You can find contact information and additional resources on the official Fluke website.

Visit the [Fluke Store on Amazon](#) for more products and information.

### OFFICIAL PRODUCT VIDEOS

No official product videos from the seller were found that meet the criteria for inclusion in this manual. Videos available are from "Influencer" creators and are not embedded here.

Related Documents - 115

	<p><a href="#">Fluke 106/107 Palmsized Digital Multimeters: Technical Specifications and Features</a></p> <p>Detailed technical specifications, product highlights, and general information for the Fluke 106 and 107 palmsized digital multimeters. Learn about their electrical specifications, accuracy, features, and included equipment.</p>
	<p><a href="#">Fluke 116 True-rms Multimeter User Manual</a></p> <p>User manual for the Fluke 116 True-rms Multimeter, covering features, operation, safety information, and specifications.</p>
	<p><a href="#">Fluke 15B+/17B+/18B+ Digital Multimeters User Manual</a></p> <p>Comprehensive user manual for Fluke 15B+, 17B+, and 18B+ digital multimeters, detailing features, measurement procedures, maintenance, safety guidelines, and technical specifications.</p>
	<p><a href="#">Fluke 323/324/325 Clamp Meter User Manual - Specifications &amp; Safety</a></p> <p>Comprehensive user manual for the Fluke 323, 324, and 325 Clamp Meters. Includes safety information, electrical and mechanical specifications, and operating instructions.</p>
	<p><a href="#">Fluke 110 True-RMS Multimeter: Technical Specifications and Features</a></p> <p>Detailed specifications and features of the Fluke 110 compact True-RMS multimeter, designed for precise electrical installation and troubleshooting. Includes accuracy, safety ratings, and included accessories.</p>
	<p><a href="#">Fluke 323/324/325 Clamp Meter User Manual</a></p> <p>Comprehensive user manual for Fluke 323, 324, and 325 clamp meters, detailing features, safety precautions, specifications, and operational guidance for accurate electrical measurements.</p>



