

Fluke T5-1000

Fluke T5-1000 Electrical Tester User Manual

Model: T5-1000 | Brand: Fluke

1. INTRODUCTION

The Fluke T5-1000 is a versatile electrical tester designed for electricians and HVAC technicians. It simplifies troubleshooting by combining voltage, continuity, and current measurement capabilities into one compact tool. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting of your Fluke T5-1000.





The Fluke T5-1000 Electrical Tester, a compact and robust tool for electrical measurements.

2. KEY FEATURES

- Automatically measures AC and DC volts with precise digital resolution.
- Easy and accurate OpenJaw current measurement without breaking the circuit.
- Continuity beeper for quick circuit checks.
- Compact design with neat probe storage for portability.
- Detachable SlimReach probe tips customized for national electrical standards, accepting Fluke accessory test clips.
- Auto off mode to conserve battery life.

3. SAFETY INFORMATION

Always adhere to local and national electrical codes. Ensure the device is off before connecting or disconnecting test leads. Wear appropriate personal protective equipment (PPE) when working with electrical systems. The Fluke T5-1000 meets safety standards including UL, CSA, CE, and VDE.

WARNING: Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

4. SETUP

4.1 Battery Installation

The Fluke T5-1000 requires 2 AAA batteries (included). To install, locate the battery compartment on the rear of the device, open it, insert the batteries observing polarity, and close the compartment securely.

4.2 Attaching Test Leads

Connect the red test lead to the 'V' or ' Ω ' input and the black test lead to the 'COM' input. Ensure the detachable SlimReach probe tips are securely attached to the test leads.



The detachable SlimReach probe tips provide versatility and access to tight spaces.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Rotate the central dial to the desired measurement function to power on the device. Turn the dial to 'OFF' to power off and conserve battery.

5.2 Voltage Measurement (AC/DC Automatic Selection)

Set the dial to 'V'. The tester automatically detects AC or DC voltage. Connect the probe tips to the circuit points you wish to measure. The reading will appear on the digital display.



The tester's design allows for safe and efficient voltage measurements in complex electrical systems.

5.3 Current Measurement (OpenJaw)

Set the dial to 'A'. Place the open jaw around a single conductor (wire) to measure AC current without breaking the circuit. The current reading will be displayed.



The OpenJaw feature enables non-contact current measurement, enhancing safety and convenience.

5.4 Resistance (Ohms) and Continuity

Set the dial to ' Ω '. For resistance, connect the probes across the component. For continuity, touch the probes to the two points you want to test; a beeper will sound if continuity is present.

5.5 Hold Function

Press the 'HOLD' button to freeze the current reading on the display. This is useful in tight spaces or when you need to record a reading after removing the probes. Press 'HOLD' again to release.

5.6 Product Overview Video

Your browser does not support the video tag.

Official product video demonstrating the key features and applications of the Fluke T5 and T6-PRO Electrical Testers, including voltage, continuity, and OpenJaw current measurements.

6. MAINTENANCE

6.1 Cleaning

Clean the tester's casing with a damp cloth. Do not use abrasive cleaners or solvents. Keep the display clean and free of debris.

6.2 Battery Replacement

Replace batteries when the low battery indicator appears on the display. Refer to the 'Setup' section for battery installation instructions.

6.3 Probe Inspection

Regularly inspect test leads and probe tips for any signs of damage, such as cuts, cracks, or frayed insulation. Replace damaged components immediately to ensure safety and accurate readings.

7. TROUBLESHOOTING

7.1 No Display/Power

- Check battery levels and ensure they are correctly installed.
- If the device has been idle, it might be in auto-off mode; rotate the dial to reactivate.

7.2 Inaccurate Readings

- Ensure probes are making good contact with the circuit.
- Verify the correct function is selected on the dial.
- Check for damaged test leads or probe tips.

7.3 Continuity Beeper Not Sounding

- Ensure the dial is set to the continuity (Ω) function.
- Check for open circuits or high resistance between the test points.

8. SPECIFICATIONS

Brand	Fluke
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Model	T5-1000
Power Source	Alkaline Batteries (2 AAA, included)
Item Weight	0.85 Ounces
Dimensions (L x W x H)	10.51 x 7.6 x 2.01 inches
Maximum Operating Voltage	1000 Volts
Measurement Type	Multimeter (Voltage, Current, Resistance/Continuity)
Measurement Accuracy	+/-0.5%
Safety Category	UL, CSA, CE, VDE

9. WARRANTY AND SUPPORT

9.1 Manufacturer's Warranty

The Fluke T5-1000 Electrical Tester is covered by a 2-year manufacturer's warranty.

9.2 Extended Protection Plans

Additional protection plans are available for purchase, including 3-Year, 4-Year, and Complete Protect options. Refer to your retailer or the [product page](#) for details.

9.3 Official User Manual (PDF)

For detailed information and advanced troubleshooting, please refer to the official User Manual (PDF) available at: [Fluke T5-1000 User Manual PDF](#)