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YOJOCK HT97D

YOJOCK HT97D Socket Tester User Manual

Model: HT97D | Brand: YOJOCK

1. INTRODUCTION

The YOJOCK HT97D Socket Tester is an essential tool for quickly and accurately detecting wiring faults in standard 3-wire and RCD-protected sockets. It provides immediate results on its clear LCD screen, indicating the precise wiring status, voltage, and frequency. This device is suitable for both professional electricians and DIY enthusiasts for electrical maintenance, office socket checks, power strip inspections, and general home use.



Test Status Analysis



Image: The YOJOCK HT97D Socket Tester indicating a correct wiring configuration in a wall socket.

2. SAFETY INFORMATION

- Always exercise caution when working with electricity.
- Ensure the tester is in good condition before use. Do not use if damaged.
- The RCD test function should be used with care on normal sockets, as it may trip the household electrical system. Ensure the RCD test is performed under correct wiring conditions with a current greater than 30 mA.
- This socket tester complies with CE marking for safety.
- Operating voltage range: 30-260V AC. Do not exceed this range.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x YOJOCK HT97D Socket Tester
- 1 x Screwdriver
- 2 x AAA Batteries
- 1 x User Manual

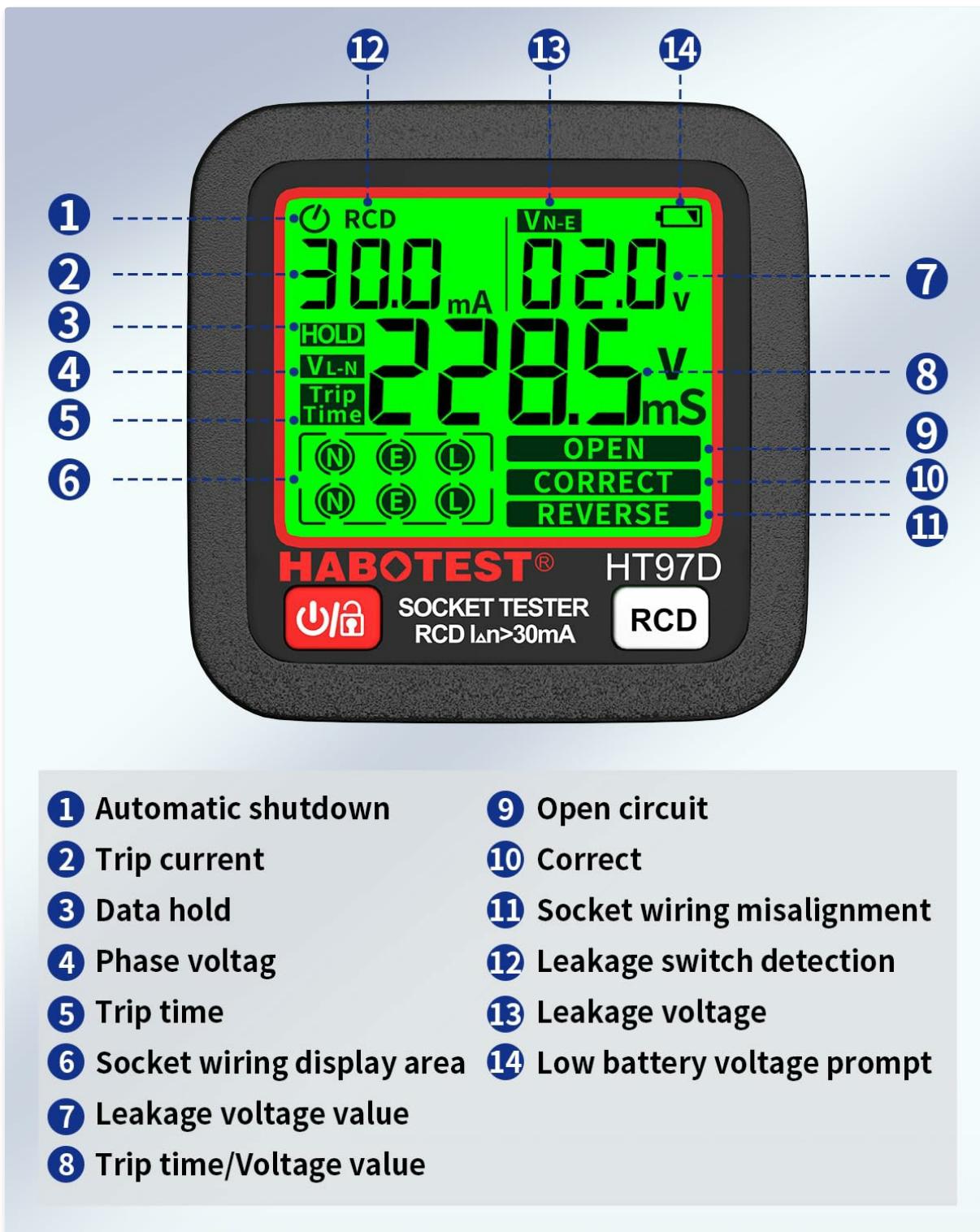


Image: All components included in the YOJOCK HT97D Socket Tester package.

4. PRODUCT OVERVIEW

The YOJOCK HT97D Socket Tester features a clear, backlit LCD display for easy reading of results even in dimly lit environments. It is designed for quick and intuitive operation, providing instant feedback on socket wiring status, voltage, and frequency.

Key Features:

- **Instant Inspection:** Color LCD screen shows precise wiring status at a glance.
- **RCD Test Function:** Verifies the proper functioning of residual current devices.
- **Wide Voltage Range:** Operates within 30-260V AC.
- **Frequency Measurement:** Displays frequency between 45-65Hz.
- **6 Wiring Fault Diagnoses:** Identifies common wiring issues.
- **Data Hold:** Automatically locks data after 3 seconds of insertion.
- **Automatic Shutdown:** Powers off after 5 minutes of inactivity to save battery.

Electrical GFCI Outlet Tester

CAT II 300V

MORE RELIABLE

HD SCREEN

PROVIDES CLEAR READINGS



Image: Labeled diagram of the HT97D display, explaining each indicator.

5. SETUP

Battery Installation:

The device requires 2 AAA batteries (included). Follow these steps to install them:

1. Loosen the screws under the rear cover counter-clockwise using the provided screwdriver.
2. Slide the rear cover downwards to open it.
3. Insert the 2 AAA batteries, ensuring correct polarity (+/-).
4. Replace the rear cover and tighten the screws.



Image: Instructions for battery replacement.

6. OPERATING INSTRUCTIONS

Basic Operation:

1. Ensure batteries are correctly installed.
2. Insert the YOJOCK HT97D Socket Tester directly into the socket you wish to test.
3. The LCD screen will immediately display the wiring status, voltage, and frequency.
4. The device automatically holds the displayed data after approximately three seconds. To release the data, press the unlock button (if available, otherwise re-insert).
5. The tester will automatically shut down if there is no operation within 5 minutes of power-on to conserve battery life.



Image: Data retention feature of the socket tester.



Image: Automatic shutdown feature for battery saving.

7. RCD TEST

The RCD (Residual Current Device) test function checks if your circuit breaker is working correctly to protect against current leakage.

Performing the RCD Test:

1. Insert the tester into the socket.
2. Ensure the socket wiring is indicated as **CORRECT** before proceeding with the RCD test.
3. Press the **RCD button** on the tester for two seconds.
4. If the RCD protection is functioning correctly, the circuit breaker connected to that socket should trip, cutting off power to the socket.
5. If the circuit breaker does not trip, the RCD may be faulty and should be inspected by a qualified electrician.

Caution: Use this function carefully on normal sockets, as it will trip the electrical system. Ensure the RCD test is performed under correct wiring conditions with a current greater than 30 mA.

Protect The Electrical Safety of Your Home



30-260V
45-65Hz



Check for Wiring Error



RCD Test



CE Certification

Image: Performing the RCD test by pressing the dedicated button.

8. UNDERSTANDING DISPLAY INDICATORS (6 WIRING FAULTS)

The YOJOCK HT97D Socket Tester can diagnose six common wiring faults. The LCD screen will clearly indicate the detected status.



Image: Visual representation of the 6 wiring fault diagnoses.

Wiring Fault Indicators

Indicator	Description
CORRECT	The wiring is correct: Live, Neutral, and Ground are properly connected.
OPEN GROUND	The ground wire is disconnected or not present. This is a safety hazard.
OPEN NEUTRAL	The neutral wire is disconnected or not present. This can cause appliances to not function or operate incorrectly.
LIVE/GRD REVERSE	The live and ground wires are reversed. This is a serious safety hazard and can lead to electric shock.
LIVE/NEU REVERSE	The live and neutral wires are reversed. While some appliances may still function, it can be a safety risk and affect device performance.
LIVE/GRD REVERSE; MISSING GRD	Both the live and ground wires are reversed, and the ground connection is also missing. This is a critical safety issue.

9. MAINTENANCE

Cleaning:

Wipe the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.

Battery Replacement:

Refer to the "Setup" section for detailed instructions on how to replace the AAA batteries when the low battery indicator appears on the display.

10. TROUBLESHOOTING

- Device does not power on:** Check if the batteries are correctly installed and have sufficient charge. Replace if necessary.
- Inaccurate readings:** Ensure the tester is fully inserted into the socket. Verify the socket is clean and

free of debris.

- **RCD test does not trip:** Confirm the socket wiring is correct before testing. If it still doesn't trip, the RCD itself may be faulty and requires professional inspection.
- **Display is dim:** Replace the batteries.

11. SPECIFICATIONS

Technical Specifications

Parameter	Value
Manufacturer	YOJOCK
Model Number	B0DN67Q5YL (YK-HT97D)
Item Weight	150 g
Package Dimensions	8.3 x 7.6 x 7.2 cm
Power Source	2 x AAA Alkaline Batteries (included)
Operating Voltage	30-260V AC
Frequency Range	45-65Hz
Measurement Accuracy	+/- (3.0%+2)
RCD Test Current	>30mA
Operating Temperature	0°C - 40°C
Operating Humidity	20% - 75% RH
Storage Temperature	-10°C - 50°C
Storage Humidity	20% - 80% RH
Altitude	≤2000m
Certifications	CE



12. WARRANTY AND SUPPORT

This YOJOCK Socket Tester is certified for safety and comes with a user manual for guidance. For any issues or support inquiries, please refer to the contact information provided in your product packaging or reach out to YOJOCK customer service.



Image: The socket tester providing assistance in various electrical safety checks.