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Kobalt 2545079

Kobalt Analog Display Receptacle Tester

Model: 2545079

Introduction

This manual provides essential information for the safe and effective use of your Kobalt Analog Display Receptacle Tester. This specialty meter is designed to detect proper wiring in standard 110V to 125V AC 3-wire outlets and GFCI receptacles. It offers instant identification of various wiring conditions without the need for batteries.

Safety Information

WARNING: Always read and understand all instructions before using this device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not use if the tester appears damaged.
- Do not use in wet conditions or if your hands are wet.
- Always ensure the receptacle is de-energized before performing any maintenance or inspection, unless specifically testing for live conditions.
- This tester is designed for 110V to 125V AC circuits only. Do not use on higher voltage circuits.
- Always follow local electrical codes and safety practices.

Product Overview

The Kobalt Analog Display Receptacle Tester is a compact, plug-in device that provides visual indications of wiring status. It features a clear display panel with LED indicators for various wiring conditions and a GFCI test button.



Figure 1: Front view of the Receptacle Tester. This image displays the device's main body, the plug prongs, the GFCI test button, and the legend for the indicator lights.



Figure 2: Back view of the Receptacle Tester. This image shows the rear of the device, including the UL listing, circuit tester number, and a warning to read instructions before use.

Key Features:

- Analog Display with LED indicators
- Tests 110V to 125V AC, 50/60Hz 3-wire outlets
- Detects Open Ground, Reverse Polarity, Open Hot, Open Neutral, Hot/Ground Reverse, and Hot/Neutral Reverse
- GFCI test function for GFCI outlets and standard outlets in series with GFCI
- No battery required for operation

Setup

The Kobalt Analog Display Receptacle Tester requires no assembly or batteries. It is ready for use directly out of the packaging.

1. Unpack the receptacle tester from its packaging.
2. Inspect the device for any visible damage. Do not use if damaged.

Operating Instructions

Standard Receptacle Testing:

1. Ensure the circuit is live before testing.

2. Insert the tester firmly into the 3-wire receptacle you wish to test.
3. Observe the LED indicator lights on the tester's display panel. Refer to the legend on the tester for the meaning of the light patterns.
4. The tester will instantly indicate the wiring condition.



Figure 3: Receptacle Tester in use, plugged into a wall outlet. The image demonstrates how the device is inserted into a standard electrical outlet for testing.



Figure 4: Receptacle Tester being held while plugged into an outlet. This image shows the user interacting with the device during a test.

GFCI Receptacle Testing:

The GFCI test function is used to verify the proper operation of Ground Fault Circuit Interrupter (GFCI) outlets and standard outlets wired in series with a GFCI.

1. Plug the tester into the GFCI receptacle.
2. Verify that the tester indicates "CORRECT WIRING" before proceeding with the GFCI test. If not, do not proceed and consult a qualified electrician.
3. Press the yellow GFCI test button on the tester.
4. A properly functioning GFCI outlet should trip (turn off power) when the button is pressed. The indicator lights on the tester will turn off.
5. If the GFCI does not trip, it may be faulty or improperly wired. Do not use the outlet and consult a qualified electrician.
6. To reset the GFCI outlet, press the "RESET" button on the GFCI receptacle.

Wiring Condition Indications:

The tester uses a combination of LED lights (typically two yellow and one red) to indicate the wiring status. Refer to the diagram on the tester itself for the exact pattern interpretation.

Condition	Indicator Lights (Example)	Description
Correct Wiring	Two yellow lights ON	The outlet is wired correctly.

Condition	Indicator Lights (Example)	Description
Open Ground	One yellow light ON	The ground wire is not connected or is open. This is a safety hazard.
Open Neutral	One yellow light ON	The neutral wire is not connected or is open.
Open Hot	No lights ON	The hot wire is not connected or is open. No power to the outlet.
Hot/Ground Reverse	One red light ON	The hot and ground wires are reversed. This is a serious safety hazard.
Hot/Neutral Reverse	One red and one yellow light ON	The hot and neutral wires are reversed. This is a safety hazard.

Note: The exact light patterns are printed on the tester itself. Always refer to the device for precise interpretation.

Maintenance

The Kobalt Analog Display Receptacle Tester requires minimal maintenance.

- Keep the device clean and dry.
- Wipe the exterior with a soft, damp cloth if necessary. Do not use abrasive cleaners or solvents.
- Store the tester in a cool, dry place away from direct sunlight and extreme temperatures.
- Regularly inspect the prongs and casing for any signs of wear or damage. Discontinue use if damage is found.

Troubleshooting

Problem	Possible Cause	Solution
No lights illuminate when plugged in.	Outlet has no power (Open Hot) or tester is faulty.	Test a known working outlet. If still no lights, the tester may be faulty. Check circuit breaker for the outlet.
GFCI does not trip when test button is pressed.	Faulty GFCI outlet or improper wiring.	Ensure the outlet is wired correctly (tester shows "CORRECT WIRING"). If it is, the GFCI may be faulty and needs replacement. Consult a qualified electrician.
Lights indicate an error, but outlet seems to work.	Hidden wiring issue or misinterpretation of lights.	Always trust the tester's indication. Even if an appliance works, incorrect wiring can be a safety hazard. Consult a qualified electrician to inspect and correct the wiring.

Specifications

Model Number	2545079
Voltage Range	110V to 125V AC
Frequency	50/60Hz

Power Source	No Battery Required (Line Powered)
Wiring Conditions Detected	Open Ground, Reverse Polarity, Open Hot, Open Neutral, Hot/Ground Reverse, Hot/Neutral Reverse, Correct Wiring
GFCI Test Function	Yes
Dimensions (Approx.)	7 x 4 x 1 inches
Weight (Approx.)	8 ounces
Manufacturer	Kobalt
Country of Origin	USA

What's in the Box

- 1 x Kobalt Analog Display Receptacle Tester

Warranty and Support

For warranty information or technical support, please refer to the contact information provided with your purchase or visit the official Kobalt website. Keep your proof of purchase for warranty claims.

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