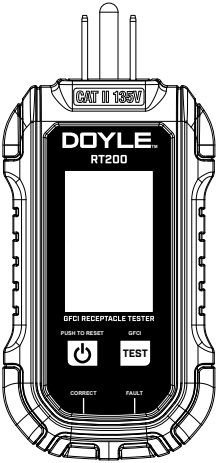
Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's date code in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference. 25k

DOYLE™

GFCI RECEPTACLE TESTER



Visit our website at: https://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

DOYLE

WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

Safety Warnings and Precautions

⚠WARNING

Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

1. All appliances or equipment on the circuit being tested should be unplugged to help avoid erroneous readings.
2. Not a comprehensive diagnostic instrument but a simple instrument to detect nearly all probable common improper wiring conditions.
3. Refer all indicated problems to a qualified electrician.
4. Will not indicate quality of ground.
5. Will not detect 2 hot wires in circuit.
6. Will not detect a combination of defects.
7. Will not indicate reversal of neutral and grounding conductors.
8. Consult the GFCI manufacturer's installation instructions to determine that the GFCI is manufacturer's specifications.
9. Check for correct wiring of receptacle and all remotely connected receptacles on the branch circuit.
10. Operate the test button on the GFCI installed in the circuit. The GFCI must trip. If it does not - do not use the circuit - consult an electrician. If the GFCI does trip, reset the GFCI. Then, insert the GFCI tester into the receptacle to be tested.
11. Activate the test button on the GFCI tester when testing the GFCI condition. A visible indication on the GFCI tester must appear when tripped.
12. If the tester fails to trip the GFCI, it suggests:
    a. A wiring problem with a totally operable GFCI; or
    b. Proper wiring with a faulty GFCI.

    Consult with an electrician to check the condition of the wiring and GFCI.

13. Verify proper operation on a known source before use or taking action as a result of the indications of the device or, a positive means (visual or audible) to indicate the unit is operating properly must be provided. This indication or operation shall be easily distinguishable from other operating modes. In addition, the accompanying documentation must state that the operator needs to verify proper operation before use or taking action as a result of the indications of the device.
14. Do not use the Tester if:
    a. The battery is low.
    b. Near any explosive gasses or fumes.
    c. Any abnormal operation is detected.
    d. The battery cover is open.
15. Power this Tester using only the battery(ies) referenced in the Specifications Chart.
16. Avoid electrical shock. Use extreme caution when working near uninsulated conductors or bus bars. Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and cabinet enclosures when testing voltages.
17. Observe work area conditions. Do not test voltages in damp or wet locations. Tester is intended for indoor use only. Keep work area clean and well lit.
18. Keep children away. Children must never be allowed in the work area.
19. Stay alert. Watch what you are doing, use common sense. Do not operate any Tester when you are tired.
20. Do not operate Tester if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the Tester.
21. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
22. Dress properly. Protective, electrically nonconductive clothes and nonskid footwear are recommended when working.
23. Wear ANSI-approved safety goggles during use.
24. Tester is designed for use with North American 120VAC electrical outlets. DO NOT connect to higher voltage electrical supplies. For use on 3-wire outlets only.
25. Do not use Tester if damaged in any way. Use only as specified in this manual.
26. Performance of this Tester may vary depending on battery condition.
27. The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SAVE THESE INSTRUCTIONS.

Symbology

	WARNING marking concerning Risk of Electric Shock.

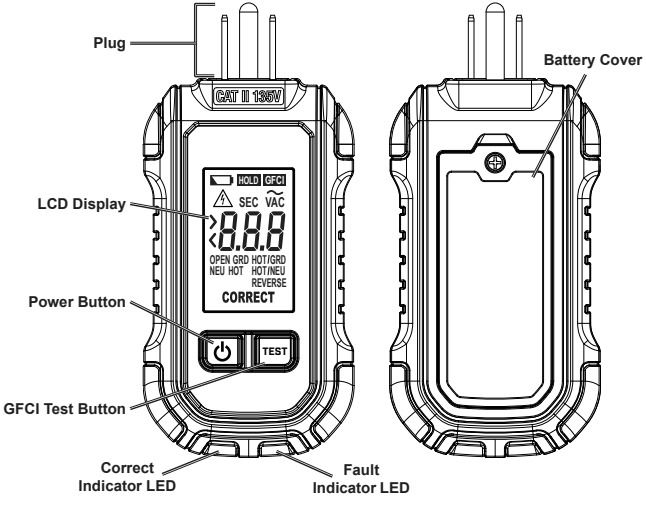
Specifications

Voltage Measurement Range	30~135VAC / 50~60Hz / Accuracy: 2% ± 2
Operating Altitude	6562ft (2000m)
Relative Humidity	<85% Non-Condensing
Operating Temperature	Range: 32°F - 122°F (0°C - 50°C)
Storage Temperature	Range: -4°F - 140°F (-20°C - 60°C)
Safety Rating	CAT II 135V
Display	Liquid Crystal Display (LCD)
Battery	(2) AAA (Included)
Pollution Degree	PD2

Setup - Before Use:

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Functions



Display



Symbol	Description
	Battery low
HOLD	Hold mode
GFCI	GFCI mode
>	Greater than
<	Less than
8.8.8	GFCI trip time reading and Voltage value reading
⚠	Hazardous voltage
SEC	Seconds
VAC	Voltage alternating current
OPEN	Open fault
GRD	Ground fault
HOT	Hot fault
NEU	Neutral fault
/	Divider
REVERSE	Reverse fault
CORRECT	Correct Wiring

FCC Statement

Changes or modifications not expressly approved by Harbor Freight Tools could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Operating Instructions

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product. Electrical shock can cause death or injury! NEVER TOUCH exposed conductors of electricity.

General Operating Instructions

Powering the Tester

1. Unplug Tester from outlet (if necessary).
2. Press and hold Power Button two seconds to turn on Tester. LCD will display ☐☐☐.

Note: Tester will auto-power off after 3 minutes of inactivity.

Wiring Condition Testing

Note: Unplug any appliances or equipment from the circuit being tested to prevent false readings.

1. Turn on Tester and plug into outlet of Circuit being tested. LCD will display ⚠, and either the Correct (green) or Fault (red) LED indicator will light.
2. If Fault (red) LED indicator lights:
   a. Unplug Tester
   b. Read voltage and fault. LCD will display HOLD and LED's will blink. Test information will be held for 10 seconds or until tester is plugged in again.

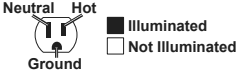
Note: Red Fault LED will light if voltage detected is low (30-85VAC) or high (>135VAC). It is possible to have both the red Fault LED (indicating low or high voltage) and green Correct LED (indicating wiring is correct) light up simultaneously.

WARNING! TO PREVENT SERIOUS INJURY: If wiring condition fault is detected, consult a qualified electrician.

3. Reference fault chart for your wiring condition.

		LCD DISPLAY						LED	
		CORRECT	OPEN GRD	OPEN NEU	HOT/GRD REV	HOT/NEU REV	OPEN GRD NEU	GREEN	RED
FAULT	CORRECT	■						■	
	OPEN GROUND		■						■
	OPEN NEUTRAL			■					■
	REVERSED HOT/GROUND				■				■
	REVERSED HOT/NEUTRAL					■			■

Legend



GFCI Ground Fault Testing

Note: Reference the tested GFCI device's manual on proper operation of the device.

1. Turn on Tester and plug into outlet of Circuit being tested.
   a. **For a correctly wired circuit:** LCD will display ⚠ and **CORRECT**, and the Correct (green) LED indicator will light.
   b. **For an incorrectly wired circuit:** Stop testing and unplug the Tester from the GFCI device. Consult a qualified electrician.

WARNING! TO PREVENT SERIOUS INJURY:
If Tester indicates circuit wiring is incorrect, DO NOT test the GFCI further. Unplug the Tester and consult a qualified electrician.

To test the GFCI device:

1. Press the GFCI Test Button to create an electrical fault. Tester will create a ground fault and attempt to trip the GFCI device.
   a. **If successful:** Display will toggle between the pre-test voltage and time elapsed to trip the GFCI device.
   b. **If unsuccessful:** GFCI device does not trip and remains energized and the LCD displays ❯5 SEC, indicating GFCI device is wired incorrectly, installed incorrectly, or malfunctioning.

Maintenance and Servicing

Procedures not specifically explained in this manual must be performed only by a qualified technician.

Cleaning, Maintenance, and Lubrication

1. Wipe unit with a dry, lint-free cloth. Do not use solvents or abrasives.
2. Remove batteries if not in use for long periods.
3. Store unit in a dry location. Do not expose to high temperatures or humidity. After a period of storage time in these conditions, place Tester in environmental conditions as stated in *Specifications* on page 4 and allow Tester to return to normal before use.
4. Other than the batteries, there are no replaceable parts on this unit. **Repairs should be done by a qualified technician.**

Battery Replacement

If the ▭ sign appears on the Display, the batteries should be replaced.

WARNING! TO PREVENT SERIOUS INJURY:
Unplug Tester before removing Battery Cover. DO NOT operate tester with Battery Cover removed.

1. Turn the unit over.
2. Loosen screw on Battery Cover.
3. Open battery compartment.
4. Pull batteries out of unit and replace with the same. Tester requires (2) AAA batteries.

Note: Do not reverse the polarity of the batteries.

5. Replace battery cover and screw to secure.

Record Product's Date Code Here:_____

Note: If product has no date code, record month and year of purchase instead.

Note: Replacement parts are not available for this item. Reference UPC 193175473400.

3-YEAR LIMITED WARRANTY

This DOYLE product is warranted to the original purchaser to be free from defects in materials and workmanship for a period of three (3) years beginning on the date of purchase. To obtain warranty service, visit your local Harbor Freight retail store. Warranty registration is not required. The product or part must be returned with proof of purchase (e.g. in-store receipt or packing slip/invoice) and may require shipment by purchaser to a service center at purchaser's expense. If our inspection verifies a covered defect in materials or workmanship during the warranty period, we will, at our option, repair or replace the defective product. We will return repaired products within a reasonable time at our expense, but if we determine that there is no defect, or that the defect resulted from causes not within the scope of our warranty, then we will return the product to you if you pay return shipping costs. Fraudulent returns or claims will be denied. The repair or replacement described in this warranty shall be your sole and exclusive remedy.

This warranty does not cover any failure or damage that we determine is due directly or indirectly to:

- normal wear and tear, including, without limitation to, batteries, fuses, test leads, thermocouples, and other wear items
- accident, misuse, abuse, rental, use not for the intended purpose, or use not in accordance with the product manual
- modification, alteration, unauthorized repair, use of equipment or components we did not supply, improper installation
- any other failure not arising from defective materials or workmanship

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