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 near the assembly diagram (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. 25h

DOYLE™

DUAL RANGE NON-CONTACT VOLTAGE 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.

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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. Electrical shock can cause death or injury! NEVER TOUCH exposed conductors of electricity.
2. Inspect the Tester before use.
3. Do not use the Tester if:
   a. The Non-Contact Tip is damaged in any way.
   b. Non-Contact is dirty.
   c. Near any explosive gasses or fumes.
   d. Any abnormal operation is detected. (If in doubt about the condition of the Tester, have it serviced.)
4. Use caution when working near voltages above 30 VAC rms, 42 VAC peak, or 60 VDC. Voltages this high present a risk of electric shock.
5. 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.

6. Remove metal jewelry and watches before working near batteries.
7. Observe work area conditions. Do not test voltages in damp or wet locations. Don't expose to rain. Keep work area clean and well lit.
8. Keep children away. Children must never be allowed in the work area.
9. Stay alert. Watch what you are doing, use common sense. Do not operate any Tester when you are tired.
10. 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.
11. 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.
12. Do not test voltage on circuits higher than rated capacity.
13. Store idle equipment. When not in use, Testers must be stored in a dry location to decrease exposure to moisture. Lock up Testers and keep out of reach of children.
14. Dress properly. Protective, electrically nonconductive clothes and nonskid footwear are recommended when working.
15. Wear ANSI-approved safety goggles during use.
16. Only use accessories intended for use with this Tester.
17. 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.
18. Avoid damaging Tester. Use only as specified in this manual.
19. Do not disassemble Tester; take it to a qualified technician when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
20. Have the Tester calibrated by a qualified technician every year. A Tester that is not calibrated yearly may not yield accurate results.



SAVE THESE INSTRUCTIONS.

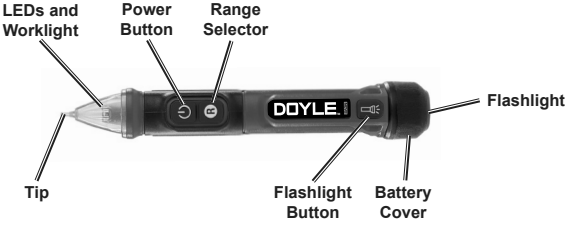
Specifications

Max. Voltage	1000VAC
Voltage Ranges	12V to 1000VAC, 50/60 Hz 70V to 1000VAC, 50/60 Hz
Rating	CAT IV 1000VAC
IP Rating	IP67
Operating/Storage Temperature	32°-122°F
Battery	2 AAA (included)
Pollution Degree Rating	2
Altitude	6,562 ft (2,000 m)
Humidity	80% RH Max

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



Installing Batteries

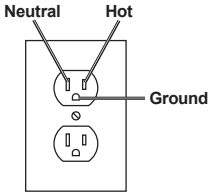
1. Remove Battery Cover.
2. Install included batteries noting correct polarity.
3. Replace Battery Cover.

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.

Note: The Tester will self-test every time it is turned on and every five seconds. When AC voltage is out of range, Range LED will flash once.

1. Press Power Button to turn Tester on.
2. Press Range Select button:
   a. Yellow LED: 12-1000V
   b. Green LED: 70-1000V
3. Before use, test on known live circuit.
4. **Test Voltage:**
   a. Put Tip into hot opening on receptacle or close to electrical wire.
   b. Green or Yellow LED will light if no voltage is detected.
   c. Red LED will blink and tone will sound if voltage is between 12-70V.
   d. Red LED will light and tone will sound if voltage is over 70V.
5. Press Power Button to turn Tester off. Tester will turn off if no voltage is detected for 5 minutes.
6. To turn sound off, turn Tester off, then press and hold Power Button until LEDs light.
7. Press Flashlight Button to turn Flashlight on.



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 in a dry location indoors out of reach of children.
4. There are no replaceable parts. **Repairs should be done by a qualified electrician.**

Battery Replacement

Note: When batteries are low, Green or Yellow LED will blink 3 times, then Tester will shut off.

1. Turn Tester off.
2. Remove Battery Cover.
3. Remove batteries and replace with same.

WARNING! TO PREVENT SERIOUS INJURY: Do not install old and new batteries together. Do not install alkaline, carbon-zinc or rechargeable batteries together. Position batteries in proper polarity. Do not use swollen or leaking batteries.

4. Replace Battery Cover.

Record Date Code Here:_____

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

Note: Reference UPC 193175456298.

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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