

DRAPER®

INSTRUCTIONS FOR Non Contact Voltage Tester

Stock No.34278 Part No.VS4

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



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DRAPER®

GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself. All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product. Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR:

NON CONTACT VOLTAGE TESTER

Stock no. 34278

Part no. VS4

1.2 REVISIONS:

Date first published July 2013

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

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1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

WARNING! Information that draws attention to the risk of injury or death.

CAUTION! Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE:

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2. CONTENTS

2.1 CONTENTS

Page content Page

| | | |
|---|--|----------|
| 1 | TITLE PAGE | |
| | 1.1 INTRODUCTION | 2 |
| | 1.2 REVISION HISTORY | 2 |
| | 1.3 UNDERSTANDING THIS MANUAL | 2 |
| | 1.4 COPYRIGHT NOTICE | 2 |
| 2 | CONTENTS | |
| | 2.1 CONTENTS | 3 |
| 3 | GUARANTEE | |
| | 3.1 GUARANTEE | 4 |
| 4 | INTRODUCTION | |
| | 4.1 SPECIFICATION | 4 |
| 5 | HEALTH & SAFETY INFORMATION | |
| | 5.1 GENERAL SAFETY INSTRUCTIONS FOR TESTER USE | 4 |
| 6 | TECHNICAL DESCRIPTION | |
| | 6.1 IDENTIFICATION | 5 |
| 7 | OPERATING THE VOLTAGE TESTER | |
| | 7.1 OPERATION | 5 |
| 8 | DISPOSAL | |
| | 8.1 DISPOSAL | 5 |
| 9 | NOTES | |
| | DECLARATION OF CONFORMITY | ENCLOSED |

3. GUARANTEE

3.1 GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF, England. Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If upon inspection it is found that a fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. The guarantee period covering parts/labour is 12 months from the date of purchase. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agents.

Note: If the tool is found not to be within the Terms of Warranty, repair and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

4. INTRODUCTION

4.1 SCOPE

The Non-contact voltage detector is intended to check for the presence of AC voltage, signalling the user with an illuminated LED and audible beeper.

4.2 SPECIFICATION

| | |
|-----------------------------|-------------------|
| Stock no. | 34278 |
| Part no. | VS4 |
| Voltage range..... | 100-600V A.C. |
| Power..... | 2 x AAA battery |
| Standard | CAT III 1000V |
| Operating temperature | -10°C to 50°C |
| Humidity | 0°C to 30°C; 95% |
| | 30°C to 40°C; 75% |
| | 40°C to 50°C; 45% |

5. HEALTH & SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS FOR TESTER USE

Warning:

Read and understand this information before operating or servicing this equipment. Failure to understand how to safely operate this tool can result in an accident causing serious injury or death.

Electric shock hazard: Contact with live circuits can result in severe injury or death.

Electric shock hazard:

- Do not use the unit if it is wet or damaged.
- Do not apply more than the rated voltage.
- Failure to observe these warnings can result in severe injury or death.

Caution:

- Do not attempt to repair this unit. It contains no user-serviceable parts.
- Do not expose the unit to extremes in temperature or high humidity. See specification.

Failure to observe these precautions can result in injury and can damage the instrument.

Safety Information

Use the Tester only as specified in this manual, otherwise the protection provided by the Tester may be impaired. In this manual, a Warning identifies conditions and actions that pose hazards to the user.

A Caution identifies conditions and actions that may damage the Tester or the equipment under test.

WARNING AND PRECAUTIONS

To avoid possible electric shock or personal injury, and to avoid possible damage to the meter or to the equipment under test, comply with the following practices:

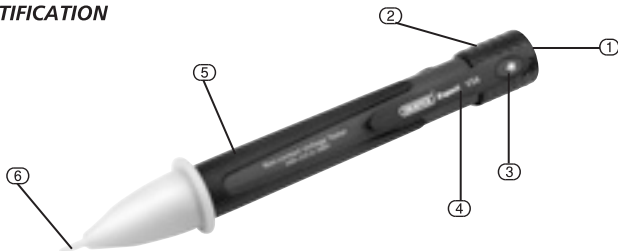
- Do not use the Tester if it is damaged. Pay particular attention to the detector tip.
- Do not use the Tester if it operates abnormally. Protection may be impaired. When in doubt, have the Tester serviced.
- Do not operate the Tester around explosive gas, vapour, or dust.
- Do not apply more than the rated voltage, as marked on the Tester.
- Before use, verify the Tester's operation by testing a known voltage.

Overvoltage installation categories per IEC 61010-1, 2000: The Tester is designed to protect against transients in these categories:

- CAT III From equipment in fixed equipment installations, e.g., installation panels, feeders and short branch circuits, and lighting systems in large buildings.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



- | | |
|----------------------------|------------------|
| ① Flashlight. | ④ Pocket clip. |
| ② Detector cap. | ⑤ Detector body. |
| ③ Flashlight switch ON/OFF | ⑥ Detector tip. |

7. OPERATING THE VOLTAGE TESTER

7.1 OPERATION

WARNING

The Voltage Detector is useful for the identifying live and neutral conductors, finding a break in a wire and detecting the presence of AC voltage at:

- Outlets.
- Switches.
- Circuit breakers.
- Fuses.
- Wires and cables.

NOTE: The voltage detector can be used to find a break in a wire:

- To find a break in a live conductor, trace the wire until the signal stops.
- To find a break in a neutral conductor, connect a load between the live and neutral. Trace the wire until the signal stops.

Test the unit on known functioning circuit or component.

- If the unit does not function as expected on a known functioning circuit, replace the batteries.
- If the unit still does not function as expected, send the unit for repair.

Place the probe tip on or near the circuit or unit to be tested.

LED and audible beeper indicates the presence of AC voltage from 200-1000 VAC (50/60Hz).

NOTE: The voltage detector cannot detect voltage on armored cable or on cable in conduit, behind panels, or in metallic enclosures.

8. DISPOSAL

8.1 DISPOSAL

- At the end of the tester's working life, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- Do not dispose of WEEE* as unsorted municipal waste.



* Waste electrical & Electronic Equipment.

NOTES

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- **General Enquiries:** (023) 8026 6355

- **Service/Warranty Repair Agent**
For aftersales servicing or warranty repairs, please contact the Draper Tools Helpline for details of an agent in your local area.

YOUR DRAPER STOCKIST