

DRAPER®

INSTRUCTIONS FOR AC/DC Voltage Tester

Stock No.51957 Part No.VT2

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



CE

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:

AC/DC VOLTAGE TESTER

Stock no. 51957

Part no. VT2

1.2 REVISIONS:

Date first published March 2015

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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In all cases this copyright notice must remain intact.

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2.1 CONTENTS

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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.

Note: This tool is intended for domestic use only.

4. INTRODUCTION

4.1 SCOPE

This two probe voltage tester is used for checking circuits to establish whether they are live. Used for checking domestic wiring, automobile circuitry and electronic equipment.

4.2 SPECIFICATION

Stock no.	51957
Part no.	VT2
Alternating voltage.....	12-600V
Direct voltage.....	12-600V
Voltage indication.....	LED
Degree of protection	IP66
Polarity indication	LED
Range of operating temperature.....	-10°C to +55°C
Over voltage category	CAT III 600V
Frequency range.....	50-60Hz
Maximum permissible operating time.....	60 seconds
Suggest recovery time.....	60 seconds

5. HEALTH & SAFETY INFORMATION

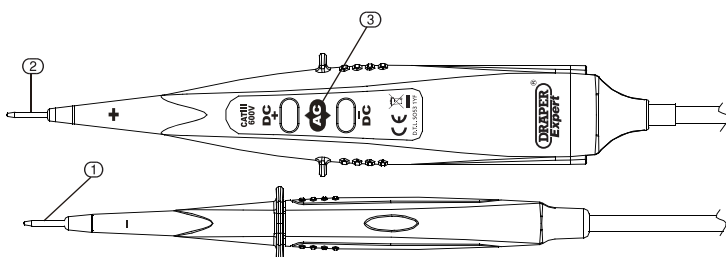
5.1 HEALTH & SAFETY INFORMATION

The following safety information must be observed to insure maximum personal safety during the operation of this meter.

- Do not use the probe if the probe or lead look damaged, or if you suspect that the probe is not operating correctly.
- Never ground yourself when taking electrical measurements. Do not touch exposed metal pipes, outlets, fixtures, etc. which might be at ground potential. Keep your body isolated from ground by using dry clothing, rubber shoes, rubber mats, or any approved insulating material.
- Turn off power to the circuit under test before cutting, unsoldering, or breaking the circuit. Small amounts of current can be dangerous. Use caution when working above 60 Volts DC or 30 Volts AC, as these voltages pose a shock hazard.
- When using probes, keep your fingers behind the finger guards on the probes.
- Measuring voltage which exceeds the limits of the probe may damage the probe and expose the operator to a shock hazard.
- Never apply voltage or current to the probe that exceeds the specified maximum.
- Do not disassemble the instrument without a authorised technician.
- Be sure only apply the tester to the safe voltage range 12-600V AC/DC.
- Before applying the tester to any apparatus, please confirm the function by connecting the tester to a known voltage power source.
- Do not connect the tester to the voltage source for more than 60 seconds.
- After maximum operation (measuring AC/DC 600V voltage source for 60 seconds), the tester must take a rest for 60 seconds.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



- ① L1 probe -
- ② L2 probe +
- ③ Polarity indication

7. UNPACKING & CHECKING

7.1 PACKAGING

Carefully remove the voltage tester from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the title page) and do not attempt to use the tester.

The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly; according to local regulations.

8. APPLICATION

8.1 APPLICATION

Red light indicates positive DC

Green light indicates negative DC

Both lights indicate AC

9. MAINTENANCE

9.1 CLEANING AND STORAGE

- Use a dry cloth with no detergent or polish for cleaning the instrument.
- Do not use abrasives or solvents.
- Do not expose the instrument to the direct sun, high temperature and humidity.
- Please operate this unit strictly according to the manual instruction.

10. EXPLANATION OF SYMBOLS

10.1 EXPLANATION



Warning!
Read the instruction manual



Caution, risk of electric shock. Under normal use, hazardous voltages may be present



Suitable for live working



Always check proper operation of the device on a known working circuit before use



Alternating current (AC)



Both direct and alternating current (AC/DC)



Direct current (DC)



WEEE
Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish

11. DISPOSAL

11.1 DISPOSAL

- At the end of the products working life, or when it can no longer be repaired, 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.

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For aftersales servicing or warranty repairs, please
contact the Draper Tools Helpline for details of an
agent in your local area.

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