



**DRAPER**<sup>®</sup>

SOCKET & VOLTAGE

# TESTER SET

82384



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

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## 1.1 INTRODUCTION:

**USER MANUAL FOR: Socket & Voltage Tester Set**  
**Stock No: 82384.**  
**Part No: SVT.**

## 1.2 REVISIONS:

**Date first published October 2017.**

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

**Downloads are available from:** <http://drapertools.com/manuals>

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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

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## 3. GUARANTEE

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### 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.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee period covering parts/labour is 12 months from the date of purchase except where tools are hired out when the guarantee period is 90 days from the date of purchase. The guarantee is extended to 24 months for parts only. 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 agent.

Note: If the tool is found not to be within the terms of warranty, repairs 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

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### 4.1 SCOPE

This Socket Tester can be used to determine whether socket wiring is correct or incorrect. In conjunction with the coding table provided, the three combined indicators indicate the true status of the wiring condition. The voltage tester detects AC voltage in outlets, lighting fixtures, circuit breakers, wires and cables.

### 4.2 SPECIFICATION

Socket Tester:

|                           |                                   |
|---------------------------|-----------------------------------|
| Rated voltage .....       | 230V                              |
| Rated frequency .....     | 50-60Hz                           |
| Working Temperature ..... | 0°C ~ 40°C relative humidity <80% |
| Size .....                | 71 x 62 x 62mm                    |
| Weight .....              | 63g                               |
| Voltage Tester:           |                                   |
| Voltage range .....       | 200-6000V AC                      |
| Frequency .....           | 50-500Hz                          |
| Measurement category..... | CAT III 600V                      |
| Power .....               | 2 x AAA                           |
| Weight .....              | 46g                               |

### 4.3 HANDLING AND STORAGE

Although these testers is small in size, care must still be taken when handling. Dropping these testers will have an effect on the accuracy and may also result in personal injury. These testers is not a toy and must be respected.

The environment will have a negative result on its operation if you are not careful. If the air is damp, components will rust. If the machine is unprotected from dust and debris; components will become clogged: And if not cleaned and maintained correctly or regularly the tester will not perform at its best.

## 5. HEALTH AND SAFETY INFORMATION

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### 5.1 GENERAL SAFETY INSTRUCTIONS FOR SOCKET TESTER USE

**⚠ Warning:** Do not use tester if wet or damaged in any way.

#### WARNING

- In order to avoid electrical shock, use proper safety measures when working with voltages above 32V AC rms, 42V AC peak or 60V DC.  
These voltages can pose a shock hazard.
- If a plug adapter has to be used to test a socket or a lead connection, ensure that this adapter is in a perfect condition and that the protective conductor connection of the adapter is continuously connected. Using the tester without continuous protective conductor leads to faulty test results.
- Before use, check that the instrument is in perfect working order, for example, verify the instrument's operation with a known voltage source.
- For socket wiring test, a clear and safe statement concerning the test result can only be given in connection with the touching of the contact electrode.
- This instrument cannot detect N/Earth reverse.
- The indicators may at times light up weakly depending on the distributed capacitance of the electrical installation.
- Always keep the instrument dry.
- Don't touch any conductor with hand or skin to avoid electric shock.
- The instrument must only be used under the conditions and for the purposes for which it has been designed.

### 5.2 GENERAL SAFETY INSTRUCTIONS FOR VOLTAGE TESTER USE

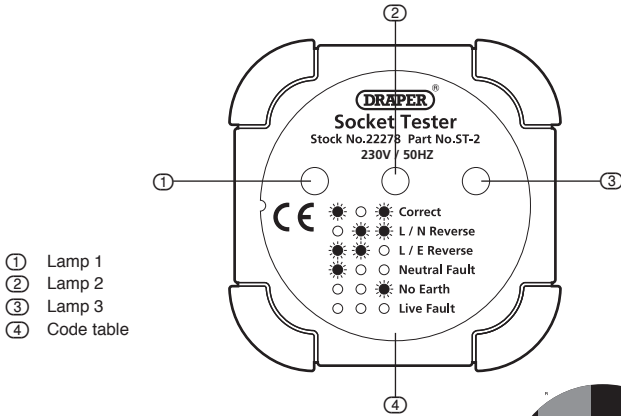
**⚠ Warning:** Do not use tester if wet or damaged in any way.

#### WARNING

- In order to avoid electrical shock, use proper safety measures when working with voltages above 32V AC rms, 42V AC peak or 60V DC.  
These voltages can pose a shock hazard.
- If a plug adapter has to be used to test a socket or a lead connection, ensure that this adapter is in a perfect condition and that the protective conductor connection of the adapter is continuously connected. Using the tester without continuous protective conductor leads to faulty test results.
- Always check the tester on a known live circuit before use.
- Place tip of the tester near an AC voltage. If the tester detects voltage, the LED in the tip of the tester illuminates red.
- Always keep the instrument dry.
- Don't touch any conductor with hand or skin to avoid electric shock.
- The instrument must only be used under the conditions and for the purposes for which it has been designed.

## 6. TECHNICAL DESCRIPTION

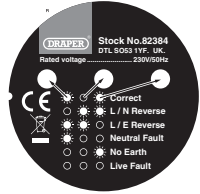
### 6.1 IDENTIFICATION



- ① Lamp 1
- ② Lamp 2
- ③ Lamp 3
- ④ Code table

#### Instruction for the Coding Table:

Left column represents the on/off state of the Lamp 1.  
 Middle column represents the on/off state of the Lamp 2.  
 Right column represents the on/off state of the Lamp 3.



- ⑤ LED illuminating tip
- ⑥ Battery compartment
- ⑦ Pocket clip



## 7. PREPARING THE SOCKET TESTER

1. Plug the instrument into the socket to be tested, the state of the socket wiring is indicated by the three combined lamps.
2. Explanations regarding the test result are described in the following table, which is the same as (but more detailed than) the Coding Table on the instrument.

| Lamp 1 | Lamp 2 | Lamp 3 | Test Result                             |
|--------|--------|--------|---|
| ☀      | ○      | ☀      | The socket wiring is correct            |
| ○      | ☀      | ☀      | Live wire and neutral wire are reversed |
| ☀      | ☀      | ○      | Live wire and earth wire are reversed   |
| ☀      | ○      | ○      | There is no neutral wire                |
| ○      | ○      | ☀      | There is no earth wire                  |
| ○      | ○      | ○      | There is no live wire                   |

**Note:** ☀ means "LAMP ON"  
 ○ means "LAMP OFF"

## 8. EXPLANATION OF SYMBOLS

### 8.1 EXPLANATION OF SYMBOLS



Warning!



WEEE

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

## 9. DISPOSAL

### 9.1 DISPOSAL

- At the end of the machine's 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.

## CONTACTS

Draper Tools Limited, Hursley Road,  
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E-mail: [sales@drapertools.com](mailto:sales@drapertools.com)

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

DBKC0917

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