



DRAPER[®]

100W 230V **SOLDERING GUN KIT**

71420



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: 100W 230V Soldering Gun Kit

Stock No: 71420

Part No: SG100

1.2 REVISION HISTORY

Date first published: October 2021.

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>

Draper Tools Limited
Hursley Road
Chandler's Ford
Eastleigh
Hampshire
SO53 1YF
UK

Draper Tools Limited
Oude Graaf 8
6002 NL
WEERT
Netherlands

Website: drapertools.com

Product help line: +44 (0) 23 8049 4344

General Fax: +44 (0) 23 8026 0784

1.3 UNDERSTANDING THIS MANUAL'S SAFETY CONTENT

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

Important – Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE

Copyright © Draper Tools Limited.

Permission is granted to reproduce this publication for personal and educational use only. Commercial copying, redistribution, hiring or lending is prohibited.

No part of this publication may be stored in a retrieval system or transmitted in any other form or means without written permission from Draper Tools Limited.

In all cases this copyright notice must remain intact.

2. CONTENTS

2.1 CONTENTS

1. TITLE PAGE	
1.1 INTRODUCTION	2
1.2 REVISION HISTORY	2
1.3 UNDERSTANDING THIS MANUAL'S SAFETY CONTENT	2
1.4 COPYRIGHT © NOTICE	2
2. CONTENTS	
2.1 CONTENTS	3
3. WARRANTY	
3.1 WARRANTY	4
4. HEALTH & SAFETY INFORMATION	
4.1 HEALTH & SAFETY INFORMATION	4
5. UNPACKING AND CHECKING	
5.1 WHAT'S IN THE BOX	5
6. INSTRUCTIONS FOR USE	
6.1 INSTRUCTIONS FOR USE	5
7. MAINTENANCE	
7.1 REPLACING THE SOLDERING GUN TIP	6
9. DISPOSAL	
9.1 DISPOSAL	6

3. WARRANTY

3.1 WARRANTY

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 Help Line (023) 8049 4344.

A proof of purchase **must** be provided with the tool.

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 warranty period covering parts and labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. This warranty does not apply to any consumable parts, any type of battery or 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 warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

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

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

Draper Tools Limited.

4. HEALTH & SAFETY INFORMATION

4.1 HEALTH & SAFETY INFORMATION

Before using the soldering gun check to ensure nothing is missing, broken or dangerous.

Do not leave the soldering gun unattended or in the reach of children.

If the soldering gun is not to be used for a prolonged period, unplug it from the mains supply.

Do not put the hot soldering gun down on any delicate or flammable surfaces.

Never use the soldering gun outside in the rain.

Never dismantle the soldering gun. Return the soldering gun to your local stockist.

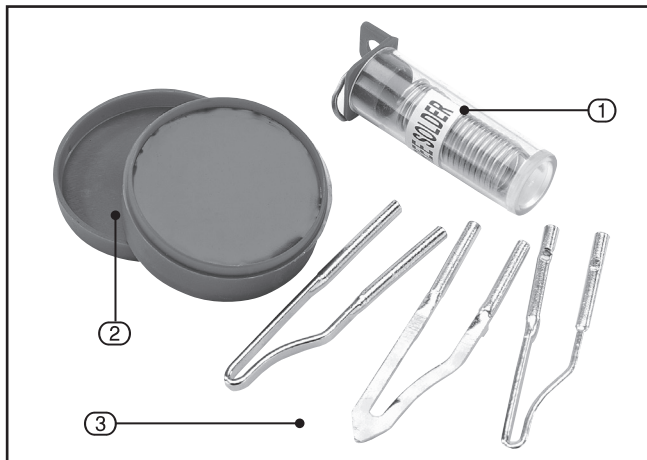
Do not let foreign objects enter the soldering gun as this may cause internal damage.

5. UNPACKING AND CHECKING

5.1 WHAT'S IN THE BOX

As well as the Soldering Gun; there are several parts not fitted or attached to it.

Note: For details of our full range of accessories and consumables, please visit drapertools.com



- ① Tube of solder
- ② Flux
- ③ Soldering gun tips

6. INSTRUCTIONS FOR USE

6.1 INSTRUCTIONS FOR USE

The duration the trigger is pulled determines the soldering temperature.

Do not operate the trigger for more than 12 seconds in any 60 second period. To achieve a constant temperature, pulse the trigger for no longer than 12 seconds and release for longer than 48 seconds. When the trigger is released the temperature will reduce automatically, when the trigger is pulled the temperature will rise quickly.

Constant temperature will provide an optimum soldering condition and optimum service life of the gun.

Objects to be soldered must be clean.

Conductors should be cleaned with steel wool or fine sandpaper.

Before soldering for the first time the tips should be tinned using a cored solder or solder and a separate flux until the tip is fully coated with solder.

Be sure tips are tinned before commencing to solder. Occasional re-tinning will ensure good solder connections.

Apply tip to the work, then apply solder to the work at the point of tip contact.

Remove the tip from the work. Molten solder must cool undisturbed. Blowing on solder speeds setting.

Do not use more solder than necessary. Use just enough to make a good connection.

Use resin core solder for radio and electrical connections.

Use acid core solder only where flux residue may be washed and cleaned away. Acid core solder is mainly used for mechanical connections and rarely used for electrical connections.

After using with acid core, clean soldering gun tip thoroughly.

7. MAINTENANCE

7.1 REPLACING THE SOLDERING GUN TIP

Note: Remove the plug from the socket before carrying out adjustment, servicing or maintenance. Allow to cool before touching.

Loosen both the knurled connectors and pull out the tip. Insert the replacement through the connectors, into the gun and tighten connectors to secure.

8. EXPLANATION OF SYMBOLS

8.1 EXPLANATION OF SYMBOLS



Read the instruction manual.



Class II construction
(Double insulated).



WEEE – Waste Electrical &
Electronic Equipment.

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 dispose of WEEE* as unsorted municipal waste.



* *Waste Electrical & Electronic Equipment.*

CONTACTS

Draper Tools Limited

UK: Hursley Road, Chandler's Ford, Eastleigh,
Hampshire. SO53 1YF. U.K.

EU: Oude Graaf 8
6002 NL Weert (NL)

Help Line: (023) 8049 4344

Sales Desk: (023) 8049 4333

Internet: drapertools.com

E-mail: sales@drapertools.com

General Enquiries: (023) 8026 6355

Service/Warranty Repair Agent:

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

YOUR DRAPER STOCKIST

PJTL1021

©Published by Draper Tools Limited.

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise without prior permission in writing from Draper Tools Ltd.