

EN

Original Instructions
Version 2 – July 2025



100W 230V **SOLDERING GUN KIT**

71420



Read this manual in full before using this product and retain it for future use. Always use the latest version of the manual. Please visit drapertools.com/manuals for the latest version.

Version 1: October 2021

First release

Version 2: July 2025

1. Intended Use

This soldering gun kit is designed for carrying out a range of soldering applications. Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

2. Specification

Stock No.	71420
Part No.	SG100
Rated voltage	230V/50Hz
Rated input	100W

3. Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user, the product or the workpiece.

3.1 General Health and Safety Precautions

- **DO NOT** use if the soldering gun is damaged or any parts are missing.
- **DO NOT** leave the soldering gun unattended and keep out of the reach of children.
- Unplug the soldering gun from the power supply when not in use. Allow to cool before changing the soldering tips.
- Wear appropriate protective clothing and safety eye protection.
- **DO NOT** put the hot soldering gun down on any delicate or flammable surfaces.
- Ensure the work piece is adequately held before operating the soldering iron.
- **NEVER** use the soldering gun outside or in the rain.
- **NEVER** dismantle the soldering gun.
- **DO NOT** allow foreign objects to enter the soldering gun as they may cause internal damage.

3.2 Connection to the Power Supply



CAUTION! Risk of electric shock.
DO NOT open.

This appliance is supplied with an approved rewirable plug and cord for your safety.

If the power supply cord is damaged, it must be replaced by Draper Tools, an authorised service agent or similarly qualified personnel in order to avoid a hazard.

The damaged or incomplete plug, when cut from the cord, shall be disabled to prevent connection to a live electrical outlet.

This appliance is Class II† and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, unscrew the face of the plug and remove the fuse. Ensure the substitute is of the correct rating, approved to BS 1362 and ASTA or BS Kite marked. This should only be performed by suitably qualified personnel.

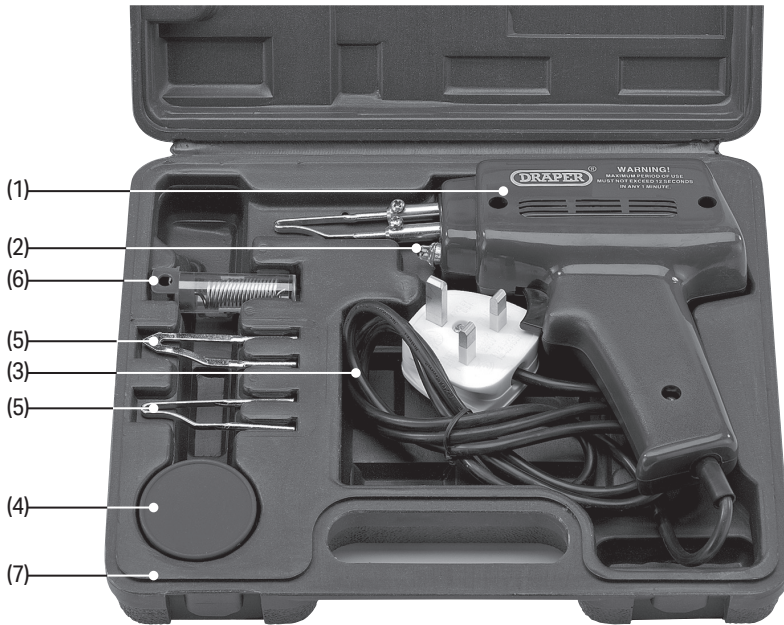
ASTA

BSI

†Double insulated : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

4. Identification

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment. If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



1. 100W soldering gun
2. Work light
3. Cord and plug
4. Flux
5. 2 X Spare soldering gun tips
6. Tube of lead-free solder
7. Storage case

Please visit drapertools.com for our full range of accessories and consumables.

5. Operation

Important: Before operating this product, read and understand all the safety instructions listed in this manual.

5.1 Before soldering for the first time

- Before soldering for the first time the soldering tips should be tinned using the solder and flux supplied until the tip is fully coated with solder.
- Ensure tips are tinned before soldering.
- Occasional re-tinning will ensure good solder connections.

5.2 Instruction for Use

- Ensure the objects to be soldered are clean.
 - Conductors should be cleaned with steel wool or fine sandpaper.
 - Press the trigger to operate. The duration the trigger is pressed will determine the soldering temperature.
 - The worklight (2) will come on as soon as the trigger is pressed.
- To achieve a constant temperature pulse for no longer than 12 seconds and release for at least 48 seconds. A constant temperature will provide optimum soldering conditions and retain the life of the gun.
 - **DO NOT operate the trigger for more than 12 seconds in any 60 second period.**
 - Apply tip to the workpiece, then apply solder at the point of the tip contact.
 - Remove the tip from the work piece.
 - Molten solder must cool undisturbed. Blowing on the solder will speed up setting.
 - **DO NOT** use more solder than required and just enough to make a good connection.
 - Use resin core solder for radio and electrical connections.
 - Use acid core solder only where flux residue has been removed. Use mainly for mechanical connections.
 - After using with acid core, clean the soldering tip thoroughly.

6. Replacing the Soldering Tip

Note: Unplug from the power supply and allow to cool before replacing the soldering tip.



Fig. 1

- Loosen the screw for both connectors and pull out the tip.
- Insert the replacement through the connectors into the gun. Tighten the connectors securely.

7. Disposal

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.



8. Warranty

12 months from date of purchase - Visit drapertools.com/warranty for full details.

This warranty does not apply to any consumable parts 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 Tools repair agent.

9. Symbols



Read the instruction manual



Warning!



WEEE –
Waste Electrical & Electronic Equipment

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



European conformity



UK Conformity Assessed

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Please contact the Draper Tools Product Helpline for repair and servicing enquiries.