SOLDERING KIT
MODEL NO: **SD250K**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions | Wear eye protection | Hot surfaces | Warning | Indoor use only

1. SAFETY

1.1. ELECTRICAL SAFETY

❑ **WARNING!** It is the user's responsibility to check the following:
Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey Stockist.
If the product is used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.
Electrical safety information, it is important that the following information is read and understood.

1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.

1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.

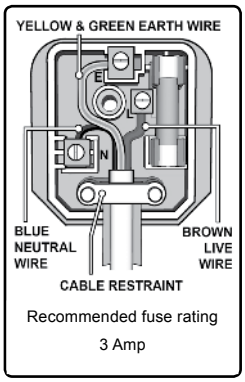
1.1.3. **Important**: Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.

× **DO NOT** pull or carry the appliance by the power cable.

× **DO NOT** pull the plug from the socket by the cable.

× **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or is replaced immediately by a qualified electrician.

1.1.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.
If the cable or plug is damaged during use, switch the electricity supply and remove from use.
Ensure that repairs are carried out by a qualified electrician.
Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.
a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
b) Connect the BROWN live wire to the live terminal 'L'.
c) Connect the BLUE neutral wire to the neutral terminal 'N'.
Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.
Sealey recommend that repairs are carried out by a qualified electrician.



Recommended fuse rating
3 Amp

1.2. GENERAL SAFETY

❑ **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.

✓ Familiarise yourself with the application, limitations and potential hazards of the soldering gun.

✓ Replace or repair damaged parts. Use genuine parts only. Non-authorised parts may be dangerous and will invalidate the warranty.

✓ Locate soldering gun in a suitable working area, keep area clean and free from unrelated materials. Ensure that there is adequate lighting.

✓ Keep the soldering gun clean for best and safest performance.

✓ Ensure there are no flammable or combustible materials near the work area.

✓ Wear approved safety eye protection (standard spectacles are not adequate).

✓ Wear appropriate protective clothing.

✓ Ensure the workpiece is adequately held before operating the soldering gun.

✓ Always lay the soldering gun on its side so that the tip cannot make contact with the work surface.

✓ Remove excess solder from the soldering gun by wiping the tip on a damp, natural sponge.

✓ Ensure that when the soldering gun is put down during use that the tip is not near to or in contact with any material that may burn or melt including the product's own supply lead.

× **DO NOT** attempt to remove excess solder from the soldering gun by shaking it as hot solder may become airborne and cause burns and blisters.

× **DO NOT** allow children or pets into the area where the soldering is taking place.

× **DO NOT** attempt to cool the iron or gun with water.

❑ **WARNING!** Disconnect the soldering gun from the mains power and allow it to cool before changing tips.

× **DO NOT** operate the soldering gun when you are tired, under the influence of alcohol, drugs or intoxicating medication.

× **DO NOT** leave a hot soldering iron or gun unattended. (If you are leaving the work area even for a short period of time switch it off and allow to cool.)

× **DO NOT** use the soldering gun for any purpose other than that for which it has been designed.

× **DO NOT** allow untrained persons to operate the soldering gun.

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- × **DO NOT** touch the workpiece as it will be very hot. Allow to cool.
- × **DO NOT** operate the soldering gun if damaged.
- × **DO NOT** hold the workpiece by hand.
- × **DO NOT** allow children to operate the soldering gun.

NOTE: This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

2. INTRODUCTION

Comprehensive soldering kit featuring a 30/100W dual powered pistol type soldering gun. Unit is fitted with a boost trigger function to increase temperature from 120°C to 250°C. Also fitted with an ergonomic handle, LED indicator light, 1.5mtr cable and BS approved plug. Supplied in rigid storage case with spare soldering tip, soldering wire, solder sucker and metal soldering stand.

3. SPECIFICATION

Model No:.....SD250K
Nett Weight: 0.98Kg
Temperature Range: ..... 120°C to 250°C



fig.1

4. OPERATION

4.1. Assemble the soldering stand and clamp the work securely.

- ❑ **WARNING.** Ensure that the soldering tip rests on a heat-proof surface.

4.2. To use the 30W setting, plug the gun into the mains supply without touching the trigger. The gun will heat up rapidly.

4.3. To use the 100W setting, press the trigger to boost the tip temperature. **DO NOT** depress the trigger for more than 12 seconds, and allow to rest for a minimum of 48 seconds before depressing again.

4.4. Wipe off excess solder and allow the gun to cool completely after use before storing in a cool, dry, childproof location.

4.5. USING THE SOLDER SUCKER.

The solder sucker can be used where a joint has to be unsoldered or where excess solder has been deposited and needs to be reduced.

4.5.1. Prime the sucker by pushing the plunger down until it latches. Bring the soldering iron or gun to the joint and melt the solder. As soon as the solder is liquid place the tip of the sucker into the solder or as close as possible and press the button on the body of the sucker.

The plunger will rise by spring action to produce a partial vacuum at the tip. Remove the sucker immediately to avoid being in contact with the hot tip of the soldering iron/gun.

4.5.2. Empty the excess solder from the body of the sucker by unscrewing the tip and tapping/shaking to dislodge the solder particles.

5. MAINTENANCE

5.1. CHANGING TIPS

After a prolonged period of service the tip may become pitted and need replacing. Wait till the gun is cool and isolate from the mains. Loosen the cross headed screw from the barrel and remove the old tip (if the tip is stuck, prise out gently with pliers). Replace the tip and tighten the screw.

5.2. Avoid allowing solder to accumulate where the tip enters the iron as this may make the tip difficult to remove. **DO NOT** allow solder deposits to build up on the tip retaining screw as it may prevent a screwdriver fitting into the cross head. Loosen the tip retaining screw periodically and rotate the tip in the gun to prevent it seizing into the body. Use a proprietary tip cleaner/tinner to keep the tip clean and tinned correctly

ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.
Important: No Liability is accepted for incorrect use of this product.
Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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