SOLDERING IRON 30W/40W/100W/230V

MODELS: **SD30.V3, SD40.V3, SD100.V3**

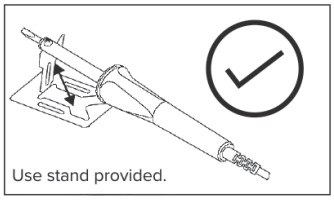
Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

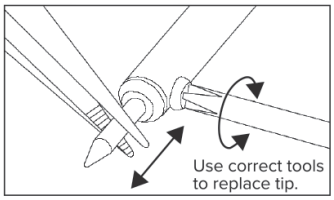
IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS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

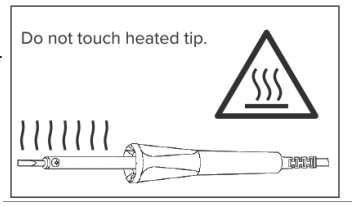

Refer to instructions


Wear eye protection


Hot surfaces







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.

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

× **DO NOT** use worn or damaged cables, plugs or connectors.

✓ Ensure that any faulty item is repaired or replaced immediately by a Sealey qualified technician.

✓ If the cable or plug is damaged during use, switch off the electricity supply and remove from use.

✓ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. **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.

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

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

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 iron.

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

✓ *The appliance shall be disconnected from its power source during service and when replacing parts.*

✓ Locate in a suitable work area, keep the work area clean and tidy, and free from unrelated materials. Ensure there is adequate lighting.

✓ Keep the soldering iron 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.

✓ The appliance shall be disconnected from its power source during service and when replacing parts.

✓ Remove ill fitting clothing, ties, watches, rings and other loose jewellery and contain long hair.

✓ Ensure the work piece is adequately held before operating the soldering iron.

✓ Always use the stand provided for the soldering iron, so that the tip cannot make contact with the work surface.

✓ Ensure that when the soldering iron 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 products own supply lead.

✓ Remove the tip and clean every twenty hours of use, or at least once a week, and remove any loose build up in the barrel.

✓ Remove excess solder from the soldering iron by wiping the tip on a damp sponge.

✓ Always keep tips tinned to ensure a long service life.

× **DO NOT** keep the iron at high temperature for a long time.

× **DO NOT** clean the tip with coarse materials.

× **DO NOT** cool in water.

× **DO NOT** use fluxes containing chloride or acid. Use only rosin or activated resin fluxes.

× **DO NOT** use any compound or anti-seize materials

× **DO NOT** handle the heated soldering iron with extreme care, as the high temperature of the iron can cause fires or painful burns.

× **DO NOT** file the specially-plated tip.

× **DO NOT** attempt to remove excess solder from the soldering iron by shaking it, as hot solder may become airborne and land on skin causing burns and blisters.

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

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

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

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

× **DO NOT** leave a hot soldering iron unattended.- If leaving the work area, even for a short period of time, switch it off and allow to cool.

× **DO NOT** use the soldering iron for any purpose other than that for which they have been designed.

- × **DO NOT** touch the work piece immediately after working on it, as it will be very hot. Allow it to cool.
- × **DO NOT** allow untrained persons or children to operate the soldering iron.
- × Children from age 8 years and above, persons with reduced physical, sensory, or mental capabilities those with lack of experience and knowledge can use the appliance, if they have been given supervision or instruction concerning use of the appliance in a safe way to understand the hazards involved.
- × Cleaning and user maintenance on the appliance shall not be made by children without supervision.
- × Children shall **NOT** play with the appliance
- × **DO NOT** operate the soldering iron if damaged.
- × **DO NOT** hold the work piece by hand.
- ✓ When finished working, store the soldering iron in a safe, dry, childproof location.

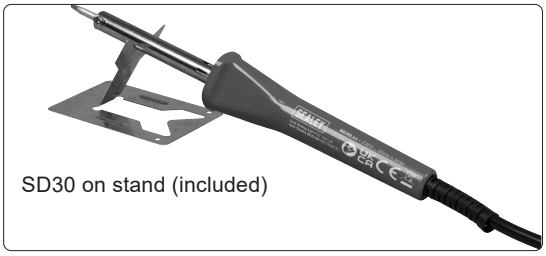
2. INTRODUCTION

Class 1 electrically insulated soldering irons with cool grip handle which stays comfortable during prolonged use. Fitted with replaceable soldering tip. Includes 1.2m cable with 3-pin plug. Complies with Low Voltage Directive and Electromagnetic Compatibility Directives. Includes stand.

3. SPECIFICATION

Model No	SD30.V3	SD40.V3	SD100.V3
Electrical Class	Class I		
Nett Weight	0.200kg		0.34kg
Power Rating	30W	40W	100W
Power Supply Cable Length	1.2m		
Replacement Soldering Tips	To order use Model No. as prefix followed by: ST for Straight Tip. CT for Curved, with an additional seven for Model No. SD100 (e.g. SD30/ST, SD40/ST, SD100/ST7).		

4. CONTENTS



SD30 on stand (included)

5. OPERATION

NOTE: On first use the soldering iron may produce smoke, this is just grease used in manufacturing burning off, It is normal and should only last for approx. 10 minutes. It is not harmful to the product or user.

5.1. The soldering iron is primarily intended for the soldering of electrical joints such as the attachment of components to printed circuit boards and the connection of leads to plugs and sockets used in electronics. (Where delicate electronic components are concerned that may be damaged by excessive heat, the wire being soldered should be held with a pair of thin nosed pliers on the opposite side of the board so that some of the heat generated by the soldering process is transferred to the pliers.)

5.2. When the iron is up to temperature, “tin” the tip by melting a thin layer of solder over the end of it. If any difficulty is experienced in getting the solder to take to the tip, use a proprietary tip cleaner/tinning product.

5.3. The items to be soldered must be perfectly clean and free from grease. Ideally, the two items to be joined (such as the end of a wire and a switch terminal) should be individually tinned before being brought together to ensure a good joint.

5.4. Ensure that the items to be soldered are accessible and are securely held together.

5.5. Bring the tip of the soldering iron and the solder to the joint simultaneously. Leave the iron on the joint just long enough to melt the solder so that it flows onto the two parts to be joined. Replace the soldering iron on the stand. Leave the joint to cool. When finished working, unplug the iron from its supply. Allow it to fully cool before storing it away.

× **DO NOT** allow solder to accumulate where the tip enters the iron as this may make the tip difficult to remove. **DO NOT** get solder deposits on the tip retaining screw as it may prevent a screwdriver fitting into the cross head. Periodically loosen the tip retaining screw and rotate the tip in the iron to prevent it seizing into the body. Use a proprietary tip cleaner/tinner to keep the tip clean and correctly tinned.

5.6. When the soldering iron is not in use but still hot, ensure that when it is put down, the tip is not touching, or close to, any material that will melt or is inflammable. The soldering iron must be placed on its stand when not in use.

6. MAINTENANCE

6.1. TIP REPLACEMENT

NOTE: Tip replacement or cleaning should be done only when the iron is at room temperature or below.
After removing tip, remove any oxide dust that may have formed in the tip retaining area of the barrel. Be careful to avoid getting dust in your eyes. Care should be taken not to over tighten as this would damage the element.

6.2. After a prolonged period of service the tip may become pitted and need replacing. Disconnect the soldering iron from the mains supply and wait until the iron has completely cooled down. Loosen the tip retaining nut and pull out the old tip with a pair of pliers. **DO NOT** use pliers to insert the new tip as the plating may be damaged.) Insert the new tip and twist it into the orientation you require. Lock the tip in place by tightening the retaining screw.

6.3. GENERAL CLEANING

The outer case of the iron may be cleaned with a damp cloth using small amounts of liquid detergent Never submerse the unit in liquid or allow any liquid to enter the housing. Never use solvent to clean the case.

7. END OF LIFE

This product must be disposed of in accordance with the UK WEEE Regulations. It must not be placed in general waste. Instead, it should be taken to a WEEE-designated collection point, such as a local recycling centre.

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.
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.

REGISTER YOUR PURCHASE HERE

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