



# ELECTRIC PALM SANDER Ø150MM VARIABLE SPEED 350W/230V

MODEL NO: **DAS150PS**

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



Wear protective gloves



Wear ear protection



Wear a mask

## 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 dealer. If the lamp 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.

**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. Remove the plug from the socket by maintaining a firm grip on the plug.
- × **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.

- 1.1.3. 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. Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.

**IMPORTANT:** Class I tool, Class II construction;

A) Connect the BROWN live wire to the live terminal 'L'.

B) Connect the BLUE neutral wire to the neutral terminal 'N'.

C) Connect the GREEN & YELLOW wire to the earth terminal 'E'.

D) After wiring, check that there are no bare wires and ensure that all wires have been correctly connected.

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.**

### 1.2. GENERAL SAFETY

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

- ✓ Familiarise yourself with the application, limitations and potential hazards of the sander.

- ❑ **WARNING!** Disconnect from the mains power and ensure that the pad is at a complete standstill before changing accessories, servicing or performing any maintenance.

- ✓ Maintain the sander in good condition (use an authorised service agent).

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

- ❑ **WARNING!** Keep all holding screws in place, tight and in good working order. Check regularly for damaged parts. A part that is damaged must be repaired/replaced before the sander is next used.

- ✓ Use the sander in a suitable work area and keep the area clean and tidy and free from unrelated materials.

- ✓ Ensure that there is adequate lighting.

- ✓ Keep the sander clean for best and safest performance.

- ✓ Before each use, check all attachments for condition. If worn or damaged replace immediately.

- ✓ Ensure that there are no flammable materials near the work area.

- ❑ **WARNING!** Wear approved safety eye protection, ear defenders and, if dust is generated, respiratory protection.

- ✓ Maintain correct balance and footing. Ensure that the floor is not slippery and wear non-slip shoes.

- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain and/or tie back long hair.

- ✓ Keep children and unauthorised persons away from the work area.

- ✓ Avoid unintentional starting.

- × **DO NOT** use the sander for any purpose other than that for which it is designed.

- × **DO NOT** operate the sander if any parts are damaged or missing as this may cause failure and/or personal injury.

- × **DO NOT** get the sander wet or use in damp or wet locations or areas where there is condensation.

- × **DO NOT** allow untrained persons to operate the sander.

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

- × **DO NOT** use the sander where there are flammable liquids, solids or gases such as paint solvents, etc.

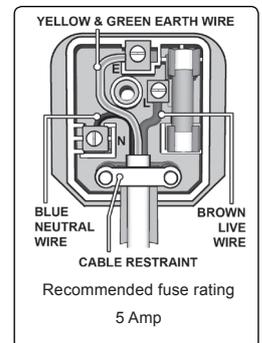
- × **DO NOT** leave the sander operating unattended.

- × **DO NOT** carry the sander with your finger on the power switch.

- × **DO NOT** pull the cord from the power supply.

- ✓ Use a qualified person to maintain the sander.

- ✓ When not in use, unplug from the mains power supply and store in a safe, dry, childproof area.





## LEAD PAINT WARNING!

Paint once contained lead as a traditional ingredient. The dust from the removal of such paint is toxic if inhaled or ingested and must, therefore, be avoided. The following action must be taken before using the sander on a surface that you suspect may have contained lead in the paint.

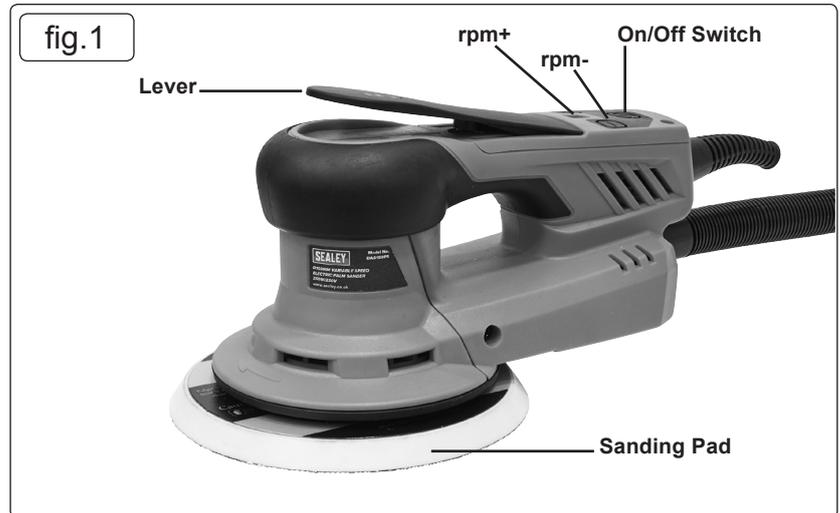
1. User must determine potential hazard relating to age of paint to be removed. (Modern paints do not contain lead).
2. **DANGER!** Keep all persons and pets away from the work area. The following are particularly vulnerable to the effects of lead paint dust: *Expectant women, babies and children.*
3. We recommend personal protection by using the following safety items:
  - a) Paint Spray Respirator
  - b) PE Coated Hooded Coverall
  - c) Latex Gloves
4. Take adequate measures to contain the paint dust, flakes, and scrapings.
5. Continue to wear safety equipment as in 3 above, and thoroughly clean all areas when task is complete. Ensure that paint waste is disposed of, in sealed bags or containers, according to local authority regulations.

## 2. INTRODUCTION

Ergonomic and compact lightweight sander. Brushless motor with constant speed control even whilst under load. Seven stage variable speed control. Digital display. Supplied with dust free Ø150mm backing pad, four sanding discs and dust extraction hose.

## 3. SPECIFICATION

Model No: ..... **DAS150PS**  
 Electrical Plug Type: ..... 3-Pin BS  
 Motor Power: ..... 350W  
 No Load Speed: ..... 4000-10000rpm  
 Orbit Size: ..... Ø5mm  
 Pad Size: ..... Ø150mm  
 Thread Size: ..... 5/16"UNF  
 Vibration: ..... 3.22m/s<sup>2</sup>  
 Uncertainty: ..... 1.5m/s<sup>2</sup>  
 Noise Power: ..... 90.3dB(A)  
 Noise Pressure: ..... 79.7dB(A)  
 Replacement Parts: ..... **PTC/150VA**



— **DA Backing Pad for Hook-and-Loop Discs Ø145mm 5/16"UNF**

## 4. OPERATION

- WARNING:** Ensure the tool is disconnected from the power supply before attaching or changing any accessories, or making any adjustments.
- WARNING:** Always wear eye protection, adequate respiratory and hearing protection, as well as suitable gloves, when working with this tool.

### 4.1. FITTING A SANDING DISC

4.1.1. Always use good quality sanding discs to maximise the quality of the finished task.

- It is advisable to do a trial run on a scrap piece of material to determine the optimum grades of sandpaper for a particular job. If there are still marks on your work after sanding, try either going back to a coarser grade and sanding the marks out before recommencing with the original choice of grit, or try using a new piece of sandpaper to eliminate the unwanted marks before going on to a finer grit and finishing the job.

**NOTE: DO NOT** continue to use worn, torn or heavily clogged sanding discs. Ensure foreign objects, such as nails and screws, are removed from the workpiece before starting to sand.

- WARNING: DO NOT** use a sanding disc on wood that has previously been used on metal. This may cause scouring on the wooden surface.

4.1.2. Remove any dust or debris from the hook & loop sanding base before fitting a sanding disc.

4.1.3. Match the holes in a suitable disc with the holes in the base and simply press the disc to the base to attach it.

4.1.4. To remove the disc, peel it away from the base.

**NOTE:** To maximise the life of the hook & loop sanding base, peel the sanding disc off slowly rather than rapidly removing it to avoid damage to the hook and loop system.

- WARNING:** Take care to regularly clean out the build-up of dust on the base underneath the sanding disc and not to let the disc wear completely down before replacing it. Failure to observe these two precautionary measures can lead to damage to the hooks and loops on the base, and the sanding disc will not attach properly.
- WARNING:** Never use the sander unless the entire base is covered by the sanding disc.

### 4.2. DUST EXTRACTION

- WARNING:** Always connect the sander to a suitable vacuum cleaner or workshop dust extraction system if the sanding dust contains harmful substances, such as particles from old paint, varnish, surface coatings etc. Always dispose of harmful dust according to local laws and regulations.

- WARNING:** Take special care to guard against harmful and toxic dusts when sanding lead-based painted surfaces, woods and metals, particularly if you are unsure about the exact substances involved. All persons entering the work area must wear a mask specially designed for protection against the toxic dust and fumes involved. Children and pregnant women **MUST NOT** enter the work area. **DO NOT** eat, drink or smoke in the work area.

**NOTE:** The dust extraction port is designed to fit a 40mm diameter hose.

- WARNING:** Always connect the sander to a suitable workshop dust extraction system when sanding metal.
- WARNING:** Always clean the tool THOROUGHLY when switching from sanding wood to sanding metal, and vice versa.
- WARNING: DO NOT** touch the moving sanding disc.
- NOTE:** Always use clamps to secure your workpiece to the workbench wherever possible.
- WARNING:** Never allow the sandpaper to completely wear down before replacing it. Failure to observe these precautionary measures can lead to damage to the hook and loop surfaces, resulting in sanding discs failing to attach properly.

### 4.3. SWITCHING ON AND OFF

- 4.3.1. Connect the Power Cord to the mains power supply.
- 4.3.2. Push the On/Off Switch in to the 'I' position, to switch the sander 'on'.
- 4.3.3. To switch 'off' the sander, push the On/Off switch in to the 'O' position.
- 4.3.4. Adjust the rpm speed by using the **rpm+** & **rpm-** buttons (fig.1). Speeds range from 4,000rpm to 10,000rpm, each press increases **+** or decreases **-** by 1,000rpm.
- 4.3.5. Once the desired speed is set, push down the lever (fig.1) and the tool will start slowly, then quickly get up to speed, ready to use.
  - WARNING:** Always wait until the machine has stopped vibrating completely before putting it down. Always disconnect from the power supply after use.

### 4.4. SANDING

- 4.4.1. If the tool is connected to a vacuum dust extraction system, switch the extraction device 'on' before switching on the sander. Switch the sander 'off' first, then the vacuum system.
- 4.4.2. Move the machine in a circular motion over the workpiece surface, applying an even, moderate pressure until you reach the desired surface finish.
  - WARNING:** Excessive pressure does not lead to a faster removal of material; it will, however, lead to premature wear of the sanding disc, and may cause damage to the machine.
- 4.4.3. If there are still scratches on your workpiece after sanding, refer to 'Selecting the right grade of sanding disc'.

## 5. MAINTENANCE

- WARNING:** Always disconnect from the power supply before carrying out any inspection, maintenance or cleaning.

### 5.1. GENERAL INSPECTION

- 5.1.1. Regularly check that all the fixing screws are tight.
- 5.1.2. Inspect the supply cord of the tool, prior to each use, for damage or wear.
- 5.1.3. Repairs should be carried out by an authorised service centre.

### 5.2. CLEANING

- WARNING:** Always wear protective equipment including eye protection and gloves when cleaning this tool.
- 5.2.1. Keep your tool clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the device's service life.
- 5.2.2. Clean the body of your machine with a soft brush, or dry cloth.
- 5.2.3. Never use caustic agents to clean plastic parts. If dry cleaning is not sufficient, a mild detergent on a damp cloth is recommended.
- 5.2.4. Water must never come into contact with the tool. Ensure the tool is thoroughly dry before using it.
- 5.2.5. If available, use clean, dry, compressed air to blow through the ventilation holes (where applicable).

### 5.3. LUBRICATION

- 5.3.1. Slightly lubricate all moving parts at regular intervals with a suitable spray lubricant.

### 5.4. STORAGE

- 5.4.1. Store this tool carefully in a secure, dry place out of the reach of children.

## 6. TROUBLESHOOTING

Problem	Possible cause	Solution
No function when On/Off Switch is operated	No power Defective On/Off Switch	Check power supply Have the On/Off Switch replaced by an authorised service centre
Slow material removal	Sanding sheet too fine or worn	Fit new sanding sheet with coarser grit
Scratches on workpiece after sanding	Sanding sheet too coarse Not enough material removed	Fit new sanding sheet with finer grit Continue sanding
Burn marks on workpiece	Sanding sheet incompatible with material Too much pressure exerted on to the sander	Fit correct sanding sheet Use less pressure whilst moving the machine
Excessive dust emission	Dust extraction not working; Sanding sheet not aligned with dust extraction holes in the hook & loop sanding base Extraction holes blocked	Have dust extraction unit seen by an authorised service centre Realign sanding sheet  Unblock dust extraction holes

## WARNING! – Risk of Hand Arm Vibration Injury.

**This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.**

This tool is subject to the vibration testing section of the Machinery Directive 2006/42/EC.

This tool is to be operated in accordance with these instructions.

**Measured vibration emission value (a): . . . . . 3.22m/s<sup>2</sup>**

**Uncertainty value (k): . . . . . 1.5m/s<sup>2</sup>**

*Please note that the application of the tool to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.*

A health and safety assessment by the user (or employer) will need to be carried out to determine the suitable duration of use for each tool.

**NB:** Stated Vibration Emission values are type-test values and are intended to be typical.

Whilst in use, the actual value will vary considerably from and depend on many factors.

Such factors include; the operator, the task and the inserted tool or consumable.

**NB:** ensure that the length of leader hoses is sufficient to allow unrestricted use, as this also helps to reduce vibration.

*The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.*

### Health surveillance.

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

### Personal protective equipment.

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the uncontrolled use of this tool. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the Correct Use and Maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSE website [www.hse.gov.uk](http://www.hse.gov.uk) - Hand-Arm Vibration at Work.



### 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.

Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR



01284 757500



01284 703534



sales@sealey.co.uk



www.sealey.co.uk