

**SEALEY**

**DAS152PS Variable  
Speed Brushless  
Orbital Sander**



# SEALEY DAS152PS Variable Speed Brushless Orbital Sander Instruction Manual

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**SEALEY**

## SEALEY DAS152PS Variable Speed Brushless Orbital Sander



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  
instruction  
manual



Wear protective  
gloves



Wear eye  
protection



Wear face  
mask



Wear ear  
protection



Keep tool dry

## SAFETY

### 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 use. Inspect power supply leads, plugs, and all electrical connections for wear and damage. Sealey recommends that an RCD (Residual Current Device) is used with all electrical products. 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.

For electrical safety information, the following information must be read and understood.

1. Ensure that the insulation on all cables and the appliance is safe before connecting it to the power supply.
2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
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. 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.

#### **This product is fitted with a BS1363A 3-pin plug.**

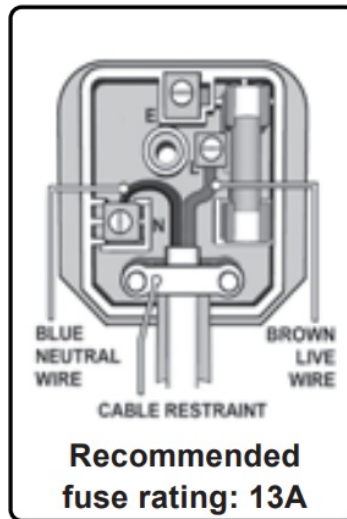
If the cable or plug is damaged during use, switch the electricity supply and remove it from use. Replace a damaged plug with a BS1363A 3-pin plug. If in doubt contact a qualified electrician. Class II products are wired



with live (brown) and neutral (blue) only and are marked with the Class II symbol;

- A) Connect the BROWN live wire to the live terminal 'L'.
- B) Connect the BLUE neutral wire to the neutral terminal 'N'.

- C) 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.
- DO NOT connect either wire to the earth terminal.
- Sealey recommends that repairs be carried out by a qualified electrician.
- Power tool plugs must match the outlet.
- Never modify the plug in any way. Do not use any adaptor plugs with earthed (grounded) power tools.  
Unmodified plugs and matching outlets will reduce the risk of electric shock. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- DO NOT expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- DO NOT abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep the cord away from heat, oil, sharp edges, or moving parts. Damaged or entangled cords increase the risk of electric shock. When operating a power tool outdoors, use an extension cord suitable for outdoor use. The use of a cord suitable for outdoor use reduces the risk of electric shock. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. The use of an RCD reduces the risk of electric shock.

## GENERAL POWER TOOL SAFETY WARNINGS

- **WARNING!** Read all safety warnings and all instructions, illustrations, and specifications provided with this power tool. This power tool is intended to function as a sander. Operations such as grinding, wire brushing, polishing, or cutting off are not recommended to be performed with this power tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.
- **WARNING!** Ensure that Health & Safety, local authority, and general workshop practice regulations are adhered to when using this sander.
- Save all warnings and instructions for future reference.
- DO NOT use accessories that are not specifically designed and recommended by the tool manufacturer.
- The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.
- The outside diameter and the thickness of the accessory must be within the capacity rating of your power tool.
- The threaded mounting of accessories must match the sander's thread.

- DO NOT use a damaged accessory. Inspect accessories before each use. If the tool or accessory is dropped, inspect for damage.
- After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.

## **WORK AREA SAFETY**

- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- DO NOT operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks that may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

## **PERSONAL SAFETY**

- Stay alert, watch what you are doing, and use common sense when operating a power tool. DO NOT use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Keep handles and grasping surfaces dry, clean, and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection used for appropriate conditions will reduce personal injuries. Prevent unintentional starting. Ensure the switch is in the off position before connecting to a power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your fingers on the switch or energizing power tools that have the switch on invites accidents. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. The use of dust collection can reduce dust-related hazards.
- DO NOT let familiarity gained from the frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.
- DO NOT overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. DO NOT wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- Keep bystanders a safe distance away from the work area. Anyone entering the work area must wear personal protective equipment.
- Position the power cord clear of the spinning accessory.
- Never lay the power tool down until the accessory has come to a complete stop.
- DO NOT run the power tool while carrying it at your side.
- Regularly clean the power tool's air vents.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.
- DO NOT operate the power tool near flammable materials.
- DO NOT use accessories that require liquid coolants.

## KICKBACK AND RELATED WARNINGS

- Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use the auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.
- Never place your hand near a rotating accessory.
- DO NOT position your body in the area where the power tool will move if kickback occurs.
- Use special care when working corners, sharp edges, etc. Avoid bouncing and snagging the accessory.

## POWER TOOL USE AND CARE

- DO NOT force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- DO NOT use the power tool if the switch does not turn on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **WARNING!** Disconnect the plug from the mains supply before making any adjustments, changing accessories, or storage.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Use the power tool, accessories tool bits, etc. to these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

## SERVICE

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained. Unauthorized parts may be dangerous and will invalidate the warranty.

## SPECIFIC SANDER SAFETY

- **WARNING!** Disconnect from the mains supply and ensure that the pad is at a complete standstill before changing accessories, servicing, or performing any maintenance.
- **WARNING!** Keep all guards and holding screws in place, tight, and in good working order.
- DO NOT use excessively oversized sanding disc paper. Follow the manufacturer's recommendations, when selecting sanding discs.
- Check regularly for damaged parts. A guard or any other part that is damaged must be repaired/replaced before the sander is next used.
- Keep the sander clean for the best and safest performance.
- Before each use check all attachments for condition. If worn or damaged replace immediately.
- DO NOT switch the sander on until the head is in contact with the panel and switch the unit off before removing

the head from the panel.

- DO NOT get the sander wet or use it in damp locations or areas where there is condensation.
- DO NOT allow untrained persons to operate the sander.
- When not in use, unplug from the mains power supply and store it 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. Users must determine potential hazards relating to the age of the 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:
  - Paint Spray Respirator.
  - PE Coated Hooded Coverall.
  - 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 the task is complete.  
Ensure that paint waste is disposed of, in sealed bags or containers, according to local authority regulations.

## **INTRODUCTION**

Brush-less motor adjusts to the pressure applied maintaining a constant speed ensuring consistent sanding. The well-balanced motor has very low vibration levels creating less user fatigue. Seven selectable speeds from 4,000-10,000rpm in 1,000rpm increments. LED Digital display. 100 x 150mm Triangular backing pad with 3mm orbit. Fitted with a dust extraction port and supplied with 1m dust extraction hose, 2 x hose adaptors, 3mm hex key, hook-and-loop backing pad, and 6 x sanding sheets (grits – P80, P100, P120, P150, P180, P240).

## **CONTENTS**

1. DAS152PS Sander
2. 1m Dust extraction hose
3. Sanding Pads x 6 (Grits P80, P100, P120, P150, P180, P240).
4. Adaptor (A)
5. Adaptor (B) 3mm Hex key (Not shown in fig.1)



## SPECIFICATION

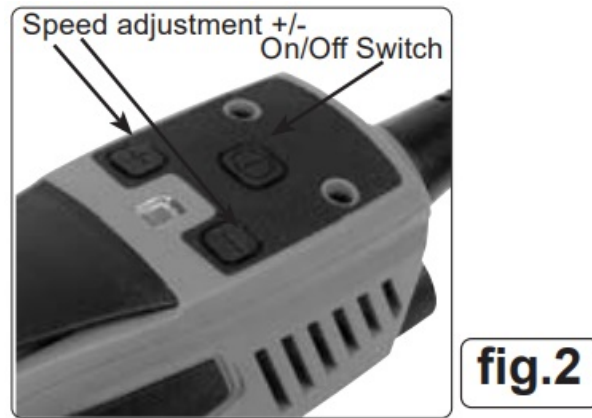
- **Model No:**..... DAS152PS
- **Fuse Rating:**..... 13A
- **Motor Power:**..... 350W
- **Noise Power/Pressure:**..... 90/80dB(A)
- **No-Load Speed:** ..... 4000-10000rpm
- **Orbit Size:**.....Ø3mm
- **Pad Size:**.....100 x 150mm
- **Plug Type:**..... 3-Pin BS
- **Power Supply Cable Length:**.....2m
- **Supply:** .....230V~50Hz
- **Vibration/Uncertainty:** .....3.221m/s<sup>2</sup>/1.5m/s<sup>2</sup>

## OPERATION

- **WARNING!** Before use, ensure that you have read and understood Section 1 Safety Instructions.
- **NOTE:** The sander is designed for dry use only.
- DO NOT use water or any other liquids.
  1. The sander is intended to be operated as a handheld tool. The tool can be used in any position without affecting performance.
    - NOTE:** The sander can develop a torque reaction when started.
  2. Make sure the sander is switched off. Select a suitable abrasive pad and secure it to the backing pad. Make sure the abrasive is centered on the sanding pad. For optimal performance, we recommend original Sealey sanding pads.
  3. Switch on the sander by pressing the On/Off key (see fig.2),
  4. The speed can be adjusted between 4,000 and 10000 rpm by rpm + and rpm -. Each press increases or reduces the speed by 1,000 rpm until it reaches its limits. (fig.2)
  5. When sanding, always place the sander on the work surface before starting the tool. Always remove the sander from the work surface before stopping it. This will prevent gouging of the work surface due to the

excess speed of the abrasive.

6. When sanding is finished, turn off the sander by pressing the On/Off key.



## 7. REPLACING THE SANDING PAD

- WARNING! Always disconnect the power before maintenance! Only use original sanding pad.
8. The triangle is fixed with 7 screws see fig.3
    - A = 10 mm
    - B = 20 mm

## REMOVE SANDING PAD

1. Turn the tool upside down
2. Remove three screws (A).
3. Remove four screws (B).
4. Remove the triangle/shaped pad.

## INSTALL SANDING PAD

1. Install four screws (B).
2. Install three screws (A).
3. Finally, tighten all screws.

## ATTACHING SANDING PAPER

1. Sand paper can be attached quickly and simply to the sanding pad. Press the self-adhesive sanding paper onto the sanding pad.

**NOTE:** In the case of poor adhesion of the sanding paper, replace the sanding pad as it may come loose and cause injuries.

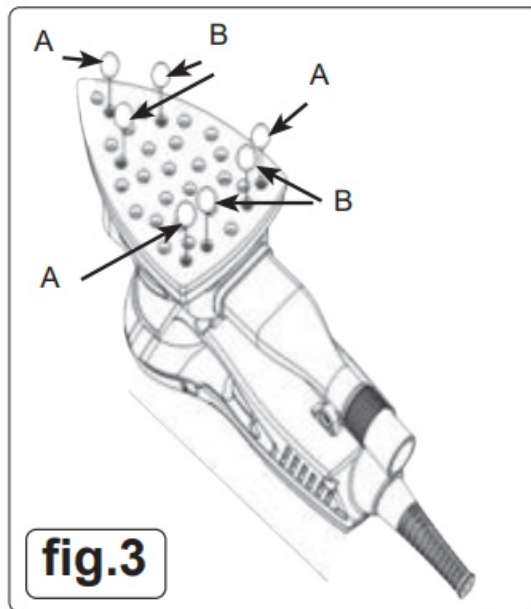
## DUST EXTRACTION

Dust can be hazardous to health. Always work with a dust extractor. Always read applicable national regulations before extracting hazardous dust. Connect the 40mm hose to an appropriate vacuum outlet.

## RECOMMENDATION

Use an anti-static suction hose. This helps reduce the electric charge.





## MAINTENANCE

**WARNING!** Disconnect the sand from the power supply before changing accessories, servicing, or performing maintenance. Replace or repair any damaged parts. Use genuine parts only, unauthorised parts may be dangerous and will invalidate the warranty.

1. After each 50 hours use (or as required), remove dust by blowing air through the side vents and around the pad bearing. Regular cleaning will prolong the life of the sander.
2. Change pads when required. Ensure pad and ratings are equal to, or exceed the machine rating. If the pad becomes unbalanced, it will cause the bearings to wear. To change the backing pad refer to 5.7.
3. When not in use store in a safe, dry, childproof location.
4. All other service and maintenance be carried out by an authorised Sealey stockist.
5. If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

**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 by these instructions. Measured vibration emission value (a):  $3.221\text{m/s}^2$  Uncertainty value(k):  $1.5\text{m/s}^2$  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 before 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 program 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 HSC website

[www.hse.gov.uk](http://www.hse.gov.uk) – Hand-Arm Vibration at Work. The declared vibration total value(s) and the declared noise emission value(s) have been measured by a standard test method and may be used for comparing one tool with another. The declared vibration total values and the declared noise emission values may also be used in a preliminary assessment of exposure. The vibration and noise emissions during the actual use of the power tool can differ from the declared values depending on how the tool is used, especially what kind of workpiece is processed. There is a need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual condition of use.

## ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories, and packaging should be sorted, taken to a recycling center, and disposed of in a manner that 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.

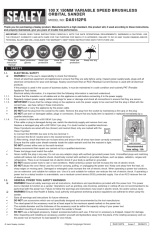
- **Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications, and parts without prior notice.
- **Important:** No Liability is accepted for incorrect use of this product.
- **Warranty:** Guarantee is 12 months from purchase date, proof of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



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## Documents / Resources

	<p><a href="#">SEALEY DAS152PS Variable Speed Brushless Orbital Sander</a> [pdf] Instruction Manual DAS152PS, DAS152PS Variable Speed Brushless Orbital Sander, Variable Speed Brushless Orbital Sander, Speed Brushless Orbital Sander, Brushless Orbital Sander, Orbital Sander, Sander</p>
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## References

-  [HSE: Information about health and safety at work](#)
- [User Manual](#)

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