

Operation Manual

Orbital Sander

62810



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Send an e-mail to:

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Our postal address is:

WilTec Wildanger Technik GmbH
Königsbenden 12
52249 Eschweiler
Germany

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Returns Department
WilTec Wildanger Technik GmbH
Königsbenden 28
52249 Eschweiler

E-mail: **service@wiltec.info**

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15



Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

General safety instructions

Warning! When using electric tools, machines, or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.

Read all instructions before using this tool!

- **Keep work area clean.** Cluttered areas in invite injuries.
 - **Consider work area environment.** Do not use power tools in damp, wet, or poorly lit locations. Do not expose your tool to rain. Keep the work area well lit. Do not use tools in the presence of flammable gases or liquids.
 - **Keep Children and Bystanders away.** All children should be kept away from the work area. Do not let them handle machines, tools, or extension cords. Visitors can be a distraction and are difficult to protect from injury.
 - **Observe proper precautions regarding double insulation.** This unit is double insulated and equipped with a polarised plug.
 - **Prevent electrical shock.** Prevent body contact with earthed surfaces such as pipes, radiators, stoves, and refrigerators. When your body is earthed the risk of electric shock increases. When working wherever live electrical wires may be encountered, try to ascertain whether there is a danger of shock. Even so, do not touch any metal parts of the tool while using it. Hold the tool only by the plastic grip to prevent electrical shock if you contact a live wire.
 - **Handle the cord carefully.** Never carry your tool by the cord or pull on the cord to unplug it. Protect the cord from potential sources of damage: heat, oil and solvents, sharp edges or moving parts. Replace damaged cords immediately.
 - **When working outdoors, use an outdoor-rated extension cord.** An extension cord suitable for outdoor use must be labelled accordingly.
 - **Do not expose electrical power tools to moisture.** Rain or wet conditions can cause water to enter the tool and lead to electrical shock.
 - **Ensure the extension cord you use is of sufficient gauge for its length.**
 - **Store idle equipment.** Store equipment in a dry area to inhibit rust. Equipment also should be in a high location or locked up to keep out of reach of children.
 - **Do not force the tool.** It will do the job better and more safely at the rate for which it was intended.
 - **Use the right tool.** Do not force a small tool or attachment to do the work of a larger industrial tool. Do not use a tool for a purpose for which it was not intended.
 - **Dress properly.** Do not wear loose clothing or jewellery; they can be caught in moving parts. Protective, non-electrically conductive gloves and non-skid footwear are recommended when working. Wear protective hair covering to contain long hair and keep it from harm.
 - **Eye, ear, and lung protection.** Use a full-face mask if the work you are doing procedures metal fillings, dust, or wood chips. Goggles are acceptable in other situations. Wear a clean dust mask if the work involves creating a lot of fine or coarse dust. Always wear eye protection since flying debris can cause permanent eye damage. Prescription eyeglasses are not a replacement for proper eye protection. Wear a hearing protection if required.
- Warning!**
- Non-compliant eyewear can cause serious injury if broken during the operation of a power tool.
 - Warning! Use hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy.
- **Secure work.** Use clamps or a vice to hold the work. It is safer than using your hands and it frees both hands to operate the tool.



- **Do not overreach.** Keep proper footing and balance at all the times. Do not reach over or across tools that are running.
- **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Keep handles dry, clean, and free from oil and grease.
- **Avoid unintentional starting.** Be sure the switch is in the off position before plugging in.
- **Always check and make sure to remove any adjusting keys or wrenches before turning the tool on.** Left attached, these parts can fly off a rotating part and result in personal injury.
- **Do not use the tool if it cannot be switched on or off.** Have your tool repaired before using it.
- **Disconnect the plug from power before making any adjustments.** Changing attachments or accessories can be dangerous if the tool could accidentally start.
- **Stay alert. Watch what you are doing and use common sense.** Do not operate any tool when you are tired.
- **Check for damaged parts. Before using this tool, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.** Check for alignment of moving parts, binding of moving parts, breakage of parts, mountings and other conditions that may affect its operation. Inspect screws and tighten any ones that are loose. Any parts that is damaged should be properly repaired or replaced. Do not use the tool if switch does not turn it on and off properly.
- **Service and repairs** should be made by qualified technician. Improperly repaired electrical appliances can cause serious electric shocks or injuries. Only original spare parts should be used for maintenance and repair.

Warning! The cautionary notes, precautions and instructions given in this manual cannot cover all possible conditions and situations that may occur. Please always pay attention to your actions and work with foresight and caution.

Special orbital Sander-specific instructions

- Always follow instructions for fitting and changing sandpaper.
- Do not put undue pressure on the sander such that it slows down.
- After switching off, always wait until the sander has stopped before putting it down.

Information on vibration

Total vibration values a_h (vector sum of three directions) and uncertainty K determined according to EN 62841-2-4:

$$a_h < 4.315 \text{ m/s}^2, K = 1.5 \text{ m/s}^2$$

The specified vibration level has been measured according to a standardised measurement method and can be used to compare power tools with one another. They are also suitable for a preliminary assessment of the vibration emission.

The specified vibration level represents the main applications of the power tool. If the power tool is not used as intended, with different accessories, or insufficient maintenance, the vibration level could deviate. This can significantly increase the vibration emission over the entire working period.

The times when the device is switched off or when it is switched on but not in use should also be taken into consideration for an accurate estimation of the vibration emissions. This can significantly reduce vibration emissions over the entire working period.

Establish additional safety measures to protect the operator from the effects of vibration, such as:

- Servicing of power tools and accessories
- Keeping hands warm
- Organising the work processes.



Technical Specifications

- Easy-to-empty dust bag
- 1 pc. 60 grit sandpaper
- 1 pc. 80 grit sandpaper
- Sanding plate size: 5" (125 mm)
- No-load speed: 12,000 $\frac{1}{\text{min}}$

Operating procedures

Installing sandpaper

1. Unplug the sander.
2. Turn the tool upside down.
3. Check for any damage to sandpaper and to the sanding pad.
4. Push the right side/back spring clip lever in towards the side of the tool to release it and swing it down, opening the paper jaw at the back.
5. Insert one end of the paper into the rear spring-clip jaw, grit side down, opening the paper jaw at the back.
6. Close the spring-clip jaw by swinging the lever forward and hooking it in place behind the tab on the right side of the tool.
7. Wrap the paper around the pad at the bottom of the tool.
8. Release the left side/front spring clip and open that clamp jaw.
9. Insert the front end of the paper into the front clamp as far as possible, drawing the paper as tightly as possible across the bottom pad.
10. Close the front spring-clip jaw by swinging the lever back and hooking it in place behind the tab on the left side of the tool.
11. If the sandpaper loosens during use, loosen the clips and re-insert the paper.
12. To efficiently remove dust from the work surface, make sure that the holes of the sandpaper match the holes of the sanding disc.

Note! Check the sandpaper regularly for tears, cracking, and other damage. Damaged paper can allow the pad beneath to be damaged. Because of the operator vigilance required in this respect, the pad is considered a consumable part.

Finishing sanding

1. Check that the switch is set at "o" (OFF).
2. Plug the sander into any standard wall socket.
3. Hold the tool firmly. Check to make sure the abrasive is not obstructed nor touching the work surface.
4. Press the switch on the front of the machine with your index finger. Switching the tool on or off under load may damage it and will cause excessive swirl markings on the workpiece.

Dust control in the workplace

1. For the dust extraction to work, please make sure that the holes in the sandpaper match the holes in the turntable. Using the sander's dust extraction also helps to ensure that the sander does not become clogged with sawdust.
2. At the back of your sander, you can attach a dust collector with a 39 mm or 1 $\frac{1}{4}$ " internal thread hose, or if not available, a dust bag can be used.
3. The dust bag slides into the extraction port at the back of the tool.
4. Empty the bag whenever it is half full.



Sanding tips

- The base of the sander moves in a tiny circular orbit cutting across the woodgrain, with the woodgrain and at all angles in between. As the motion is circular, it does not matter how you move the sander.
- Extra pressure is seldom needed.
- Use a grade of sandpaper that will make finer marks than those already on the surface. Too coarse a grade will not make the surface smoother, while too fine a grade will remove scratches too slowly or not at all. Continue using finer grades of sandpaper until you obtain the desired finish.
- When removing old paint, determine how much paint really needs to be removed. Consider that old paint may well be toxic and will must be treated with the respect due any toxic material. This could affect both the tool operator and the environment.
- When required, wear appropriate breathing protection and dispose carefully of dust and chips. Lead in dust or chips left after sanding could be tracked throughout residence and release toxins into the soil. A finish that is cracking or flaking must be taken off, but a finish that is still firmly attached can be "roughed up" and painted over with primer and a new finish. Always lightly sand the undercoat with fine grade sandpaper before applying the top coat.

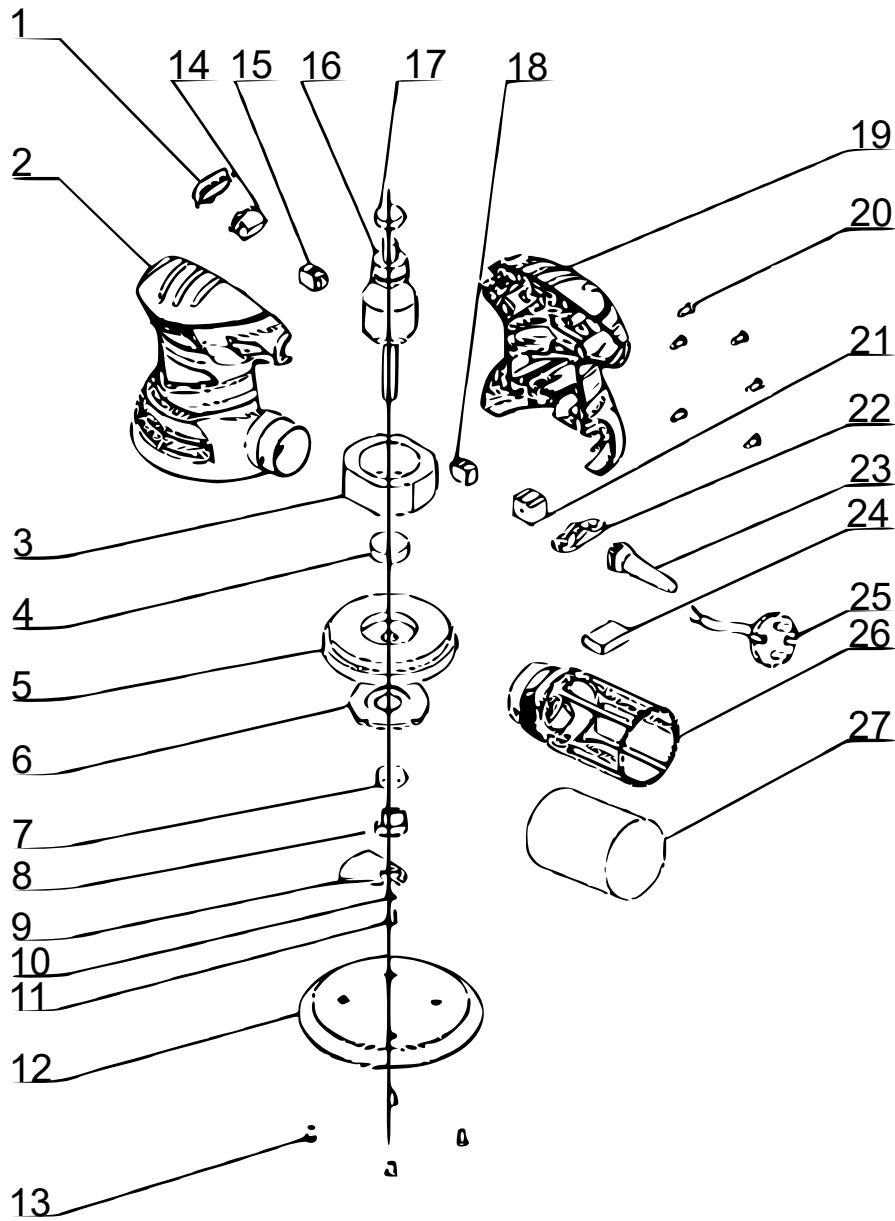
Maintenance

- Keep the vents clear of dust and debris. This will prevent possible electrical shorts and ensure proper cooling.
- Keep the tool housing clean and free of oil and grease using mild soap and a damp (not wet) cloth.
- Inspect the cord regularly and have it replaced by an authorised electrician if its damaged.
- Lubrication for this tool is done at the factory and should not be necessary again under normal use.
- An authorised repair centre should do any repairs, modification or maintenance that involve disassembling the tool.
- Any damage to the tool should be corrected at an authorised repair centre.

Cleaning

- Use mild soap and a damp cloth to clean the sander.
- Do not use petrol, turpentine, lacquer, paint thinners which could damage the plastic casing.
- Do not let liquid get inside the sander.
- Never immerse sander in liquid.

Exploded view and parts list



Nº	Name	Nº	Name	Nº	Name
1	Switch Cover	10	Gasket	19	Right housing
2	Left housing	11	Screw	20	Screw
3	Stator	12	Work base plate	21	Terminal block
4	Bearing	13	Screw	22	Cable clamp
5	Plastic fan	14	Switch	23	Wire cover
6	Bearing sleeve	15	Carbon brush	24	Capacitor
7	Bearing	16	Rotor	25	Power Cord
8	Eccentric shaft	17	Bearing	26	Dust collection trestle
9	Eccentric block	18	Carbon brush	27	Dust collection bag

Disposal regulations

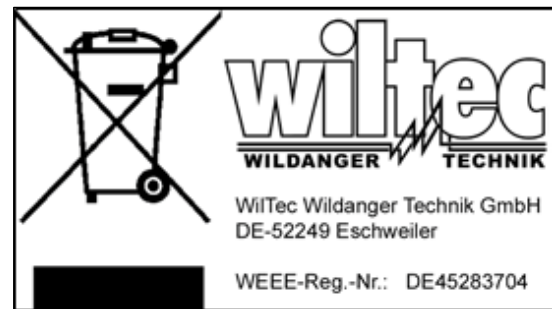
EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

Address:
WiTec Wildanger Technik GmbH
Königsbenden 12 / 28
D-52249 Eschweiler

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