

Operating instructions

Orbital shaker

RS-OS 6



Introduction

Thank you for choosing a shaker from Phoenix Instrument. Please read these operating instructions carefully and pay particular attention to the safety instructions.

Warranty

We guarantee that this appliance is free from manufacturing and material defects and grant a warranty of 2 years (from date of invoice) under normal use and service. If the unit is tampered with outside our workshop or after-sales service, any warranty claim will be void.

Service

If you need help, our workshop is always at your disposal. Send the unit to your supplier or directly to us.

Please note the following:

- Make sure the packaging is sturdy
- Enclose the copy of the original invoice
- State exact address, name, department, telephone and e-mail
- Include a description of the error

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1. Safety instructions



Connect only to earthed sockets/plugs (Schuko !)



- Read the operating instructions carefully
- Wear protective clothing/glasses as required by the property
- Only place the unit on a free and level surface
- Do not work with the unit in explosive atmospheres and do not work under water
- Work with pathogenic liquids only with closed vessels
- Do not use defective parts
- The unit can only be disconnected from the mains by pulling out the mains plug
- The unit may only be opened by qualified personnel (electricians, etc.).
- Do not place near magnetic fields

2. Correct use

This device is designed for mixing liquids in professional use such as universities, laboratories or schools. It is not suitable for private or domestic use.

3. First check

3.1 Unpacking

When unpacking, check the unit for damage. If the outer packaging is damaged, inform/complain to your carrier immediately. If only the unit is damaged - your supplier.
Caution - do not connect a damaged unit.

3.2 Scope of delivery

The RS-OS 6 is supplied with the following parts:

- 1 piece shaker with power supply and operation manual
- 1 piece bowl attachment with retaining rings

4. Installation

Please place the shaker on a flat work surface.

5. Operation

5.1 Operating elements



5.2 Operation

Switch on the shaker using the power switch on the back of the unit.

The unit performs a self-test.

Press the "Mode button" and select the speed or time.

Press the "+ / - buttons" and set the desired speed and time.

set. For continuous operation, set zero minutes.

Press the "Start/Stop - Button", the appliance starts the shaking process.

Press the "Start/Stop button" again, the appliance stops operating.

6. Ambient conditions

Mains connection 100-240 V 50/60Hz

Ambient temperature 4 - 40° C

Relative humidity < 80%

7. Technical data

Model	RS-OS 6
Voltage/frequency (V/Hz)	100-240 - 50/60Hz
Power (W)	20
Shaking movement	orbital
Shaking stroke (mm)	20
max. shaking weight (kg)	2
Speed range	40-200
Timer	1 min - 19 h 59 min, continuous operation
Motor type	DC, brushless
Protection class	IP 21
Weight (kg)	3,1
Dimension platform (mm)	268 x 268
Dimension (WxDxH mm)	295 x 350 x 125

8. Standards

The appliance has been designed and manufactured in accordance with the following standards and regulations:

2014/35/EU	Low Voltage Directive
2014/30/EU	Electromagnetic Compatibility Directive
2015/863/EU	RoHS Directive

EN 61010-1:2010+A1:2019
EN IEC 61326-1: 2021
EN 61000-2-051 :2015