



# Boekel Rocker II

**Models  
260350 and 260350-2**

## Operating Instructions

# CONTENTS

	Page
1. Safety .....	2
2. Product Information .....	3
3. Assembly.....	3
3.1 Unpacking.....	3
3.2 Installation.....	3
4. Operation.....	3
4.1 Controls.....	3
4.2 Setting the Platform Angle.....	3
4.3 Loading the Tray.....	3
4.4 Adjusting the Rocking Speed.....	4
5. Accessories .....	4
5.1 Staking Tray 12” x 12” with flat mat.....	4
5.2 Dimpled Mat 12” x 12” (vinyl).....	4
5.3 Flat Mat 12” x 12” (rubber) .....	4
6. Fault Diagnosis .....	4
7. Technical Specifications .....	4
8. Maintenance and Service .....	5
8.1 Cleaning .....	5
9. Warranty .....	5
10. Service.....	5

# 1. Safety

**Always observe the following safety precautions:**

- Use only as specified by the operating instructions or the intrinsic protection may be impaired. After transport or storage in humid conditions, dry out the unit before connecting it to the supply voltage. During drying out the intrinsic protection may be impaired.
- Plug the Power Pak into a receptacle of the appropriate voltage.
- Ensure that the power switch is easily accessible during use.
- If liquid is spilled inside the unit, disconnect it from the power supply and have it checked by a competent person.
- It is the user's responsibility to carry out appropriate decontamination if hazardous material is spilled on or inside the equipment.

## 2. Product Information

The Boekel Rocker II is designed to provide a gentle to vigorous degree of rocking motion for the uniform mixing of samples. Application areas include Hybridization, Electrophoresis, Hematology, RIA and Bio-sample preparation. The Rocker II is supplied with a 12" (30.5cm) by 12" (30.5cm) platform and non-slip rubber mat.

The Boekel Rocker II provides a rocking speed of approximately 3 to 25 rocks per minute and a variable rocking angle of 0 to 40 degrees (+/- 20 degrees). The unit is capable of operating in ambient temperatures of up to 40°C without degradation of motor life. The platform can carry a maximum of 6 lbs. (2.7 kg.). When two platforms are used (stacking platform) the total load for both platforms combined should not exceed 5 lbs. (2.3 kg.).

## 3. Assembly

### 3.1 Unpacking

Remove packing materials carefully, and retain for future shipment or storage of the unit. Inspect for damage. Report all shipping damage to the carrier immediately. Shipping damage is covered by the carrier and repair/replacement for shipping damages must be coordinated through the carrier. Complete and return the Warranty Registration Card. Packs should contain:

- Rocker II
- Operating Instructions

### 3.2 Installation

Place the Rocker II on a flat and stable surface clear of obstructions that might hit the rocking platform. Plug the power pak into a receptacle of the appropriate voltage. When moving the instrument, always carry by the base, never by the platform.

## 4. Operation

### 4.1 Controls

The Power Switch controls power to the unit.

### 4.2 Setting the Platform Angle

With the platform unloaded, adjust the platform tilt angle by loosening the knurl edge thumbscrew on the side of the unit. Be careful that the adjustment screw and nut do not come loose from the rotating cam. Slide the nut in the slot until the desired degree of rocking angle is achieved. Tighten the knurl thumbscrew securely by hand then test the rocking action before loading the platform.

### 4.3 Loading the Tray

Load the platform from the center out to avoid placing an unstable load on the unit, which may cause the product to tip over when rocking.

#### 4.4 Adjusting the Rocking Speed

Start the Rocker II by activating the power switch. To increase rocking speed adjust the speed control clockwise.

### 5. Accessories

#### 5.1 Staking Tray 12" x 12" with flat mat

Boekel Part Number 260355

#### 5.2 Dimpled Mat 12" x 12" (vinyl)

Boekel Part Number C2202208

#### 5.3 Flat Mat 12" x 12" (rubber)

Boekel Part Number C2202162

### 6. Fault Diagnosis

#### Symptom

1. Unit does not operate

#### Possible Cause

- a. Unit not switched on
- b. Unit not plugged into power supply
- c. Power supply failure

#### Action Required

- a. Switch on
- b. Plug in, switch on
- c. Check that other electrical appliances on the same circuit are working

### 7. Technical Specifications

This equipment is intended for indoor use and will meet its performance figures within the ambient temperature range of +4°C to 40°C, with maximum relative humidity of 80% (non-condensing). Installation Category II (transient voltages). Pollution Degree 2 in accordance with IEC 664. Suitable for operation at altitudes of up to 6500 feet.

#### Specifications:

Temperature Range:	+4°C to 40°C
Supply Voltage Range:	115V +/- 10%, 50/60 Hz 230V +/- 10%, 50/60 Hz
Power Rating:	Model 260350: 22 W Model 260350-2: 22 W
Load Capacity (with Stacking Platform)	2.7 kilogram (6 lbs.) 2.3 kilogram (5 lbs.)

## 8. Maintenance and Service

All Boekel laboratory products are designed to comply with IEC1010-1. Place few drops of oil on both rod ends every 3 to 6 months (or every month if the unit is used above 35°C)

### 8.1 Cleaning

Disengage power cord prior to cleaning. In the event of a spill, clean the mat under running water. Use a damp cloth with water to wipe the platform and the unit surface. Do not submerge or immerse the Rocker in water. Before using any cleaning or decontamination method except those recommended by the manufacturer, users should check that the proposed method would not damage the equipment.

## 9. Warranty

When used in laboratory conditions and according to these operating instructions, Boekel warrants this product to be free of defective material and workmanship for a period of two years from the date of manufacture. The liability of Boekel for any defective equipment during the warranty period shall be limited to the repair of such equipment or replacement thereof without charge for parts or labor.

## 10. Service

A Returned Goods Authorization (RGA) number must be obtained before any Boekel products are returned for any reason. A Decontamination Notice must be completed, signed by the user, and returned to Boekel Scientific prior to receiving the RGA number. Please be sure to mark the outside of the return goods package with this RGA number to ensure prompt handling.

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