

# Labnet Rocker 35 EZ

## Instruction Manual

### Catalog Numbers:

S2035-E

S2035-E-230V

S2035-DE

S2035-DE-230V



## Table of Contents

1.0 Introduction.....	1
2.0 Specifications .....	1
3.0 Safety Precautions.....	1
4.0 Installation of the Rocker .....	2
4.1 Unpacking.....	2
4.2 Selecting the Location.....	2
4.3 Attaching the Power Cord .....	2
5.0 Operating Instructions.....	2
5.1 Controls .....	2
5.2 Operation .....	3
5.3 Adjusting the Rocker Platform Tilt Angle .....	3
6.0 Installation of the Double Platform.....	4
7.0 Troubleshooting.....	4
8.0 Cleaning and Maintenance.....	4
8.1. Cleaning .....	5
9.0 Limited Warranty.....	5
10.0 Equipment Disposal .....	5

## 1.0 Introduction

The Labnet Rocker 35 EZ is a general purpose adjustable tilt rocker with digital time and speed controls. The tilt angle is easily adjustable without tools using the knob on the right side of unit. This reliable rugged unit is designed for extended use and comes with a 5-year warranty.

The motor is designed to generate a rocking effect, while the electronic interface controls the RPM and Time features.

## 2.0 Specifications

The Labnet Rocker 35 EZ housing is made of plastic and steel plate varnished with high resistant polyurethane lacquer.

### Electrical

120V	120V $\pm$ 10%, 50/60Hz, 0.3A
230V	230V $\pm$ 10%, 50/60Hz, 0.15A
Motor Power	6 W
Fuse	2 x T1 A L 250V
RPM Regulation	Microcontroller, load independent, from 10 to 120 rpm
Tilt Angle	0° to 20° from horizontal
Timer	10 to 120 min., HOLD function
Load	Max. 11 lbs. (5 kg)
Dimensions (W x L x H)	
Single platform	14.2 x 14.2 x 6.7 in. (360 x 360 x 170 mm)
Double platform	14.2 x 14.2 x 10.2 in. (360 x 360 x 260 mm)
Platform Dimensions (W x L)	14.2 x 11 in. (360 x 280 mm)
Weight	
Single platform	14.3 lbs. (6.5 kg)
Double platform	17.2 lbs. (7.8 kg)
Operating Conditions	4°C to 65°C, up to 85% RH, non-condensing

This device is intended for use in a basic electromagnetic environment (Basic, class B), and it is in compliance with IEC 61326-1. The power cord can be exchanged only with a cord 3 x 1.0 mm<sup>2</sup> or for USA/Canada 3 x 18 AWG.

The Labnet Rocker 35 EZ is designed to be safe when operated under the following conditions:

- ▶ Indoor use
- ▶ Altitude up to 2,000 meters
- ▶ Pollution Degree 2

## 3.0 Safety Precautions



Do not use the rocker near water. Ensure that water does not get on the device, particularly during cleaning. Do not rock flammable or explosive samples.

- ▶ If the unit is used in a manner not specified in this manual, then the unit may become unsafe to operate and may void the warranty.
- ▶ This product must be connected to a grounded power outlet for safe functioning.
- ▶ Use only the power cord supplied with the product.
- ▶ Unit can be connected to external installation with overcurrent protective device max. value 16A or 20A (USA/CANADA).
- ▶ The equipment will not restart if the main power source is interrupted.
- ▶ The equipment will restart in cases of mechanical interruption.
- ▶ Do not expose the rocker to aggressive vapors (e.g., organic solvents).
- ▶ Do not insert any objects into the rocker (such as a screwdriver or metal rods).
- ▶ Never operate the rocker without the platform securely attached.
- ▶ Hazardous samples should be shaken only in appropriate containment vessels.



The electrical warning symbol indicates the presence of a potential hazard which could result in electrical shock.



Do not put your fingers between the rocking platform and the housing. Danger of mechanical injury.

## 4.0 Installation of the Rocker

### 4.1 Unpacking

Before starting the installation, carefully examine the rocker for possible damage or missing parts.

- ▶ Open the box and carefully remove the padding. Check that the rocker has not been visibly damaged during transportation. Keep the packing material until you ensure that the rocker works properly.
- ▶ Carefully lift the device out of the box.
- ▶ Be sure that the following information is included on the serial label located on the back of the unit: serial number, catalog number, electrical rating.
- ▶ Check that the power cord plug has a pin configuration that matches a wall socket according to the local standard.

Should any kind of damage have occurred during transportation, contact the carrier immediately. The carrier is responsible for shipping damage.

### 4.2 Selecting the Location

- ▶ Put the rocker on a horizontal, level-, and stable surface.
- ▶ Leave enough space around the rocker for normal air circulation (6 in./15 cm minimum).
- ▶ Leave enough space around the rocker for easy access and maintenance.
- ▶ Avoid locations subject to shocks and vibrations.
- ▶ Avoid locations subject to frequent power fluctuations or power losses, as this may affect the rocker performance.
- ▶ Select a location that is dry and not subject to drafts or moving air from heating or air conditioning vents or air blown by other equipment.

### 4.3 Attaching the Power Cord

Connect the main power cord to the rocker and then connect the plug end of the cord to a grounded wall socket. Avoid lines to which powerful electric motors, refrigerators, and similar devices are connected.



Be careful when you plug the cord to a grounded wall socket. Do not touch plug with wet hands. Do not pull the plug by the cord.

## 5.0 Operating Instructions

### 5.1 Controls



1. **POWER switch:** Turns the rocker ON (power switch illuminates) or OFF
2. **SPEED knob:** Sets the rocker Speed
3. **TIME knob:** Sets the Time of the rocker
4. **HOLD yellow signal light:** Illuminates when the rocker is set for continuous running
5. **START/STOP button:** START or STOP rocking
6. **RUN green signal light:** Illuminates when the rocker is running

## 5.2 Operation

1. Turn POWER switch ON (it should illuminate).
2. Set SPEED knob to desired value.
3. Set TIME knob to desired value or to HOLD - continuous operation (yellow signal light HOLD must illuminate).
4. Press START/STOP key to start the rocking operation.
5. Device automatically stops after the set time passes.
6. If you want to stop the rocking operation before the set time passes, or when TIME knob is set to HOLD, press the START/STOP key.

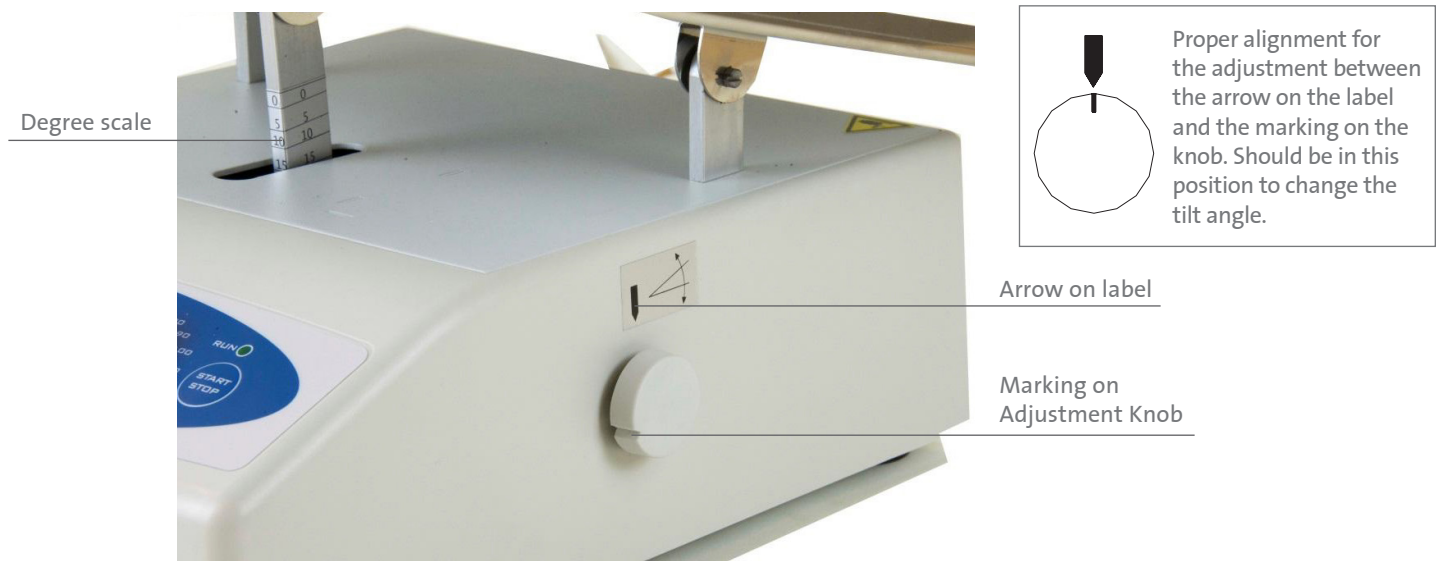
**NOTE:** Pressing the START/STOP key during operation will reset the timer. It is possible to change the Speed during operation, but you cannot change the Time. If you want to change the Time, stop the rocker, set desired Time, and start it again.



Do not put your fingers between the platform and the housing. Danger of mechanical injury.

## 5.3 Adjusting the Rocker Platform Tilt Angle

**NOTE:** Before you adjust the tilt angle, the rocker must be stopped. Stop the rocker in a position, where the marking on the knob, located on the right side of the housing, is aligned with the arrow on the label (Figure 1). Do this by operating the rocker at low speed (20 to 30 rpm). Only when the marking and the arrow are aligned, then it is easy to adjust the tilt angle of the rocker platform.



**Figure 1.** Adjusting the rocker platform tilt angle.

How to adjust the tilt angle:

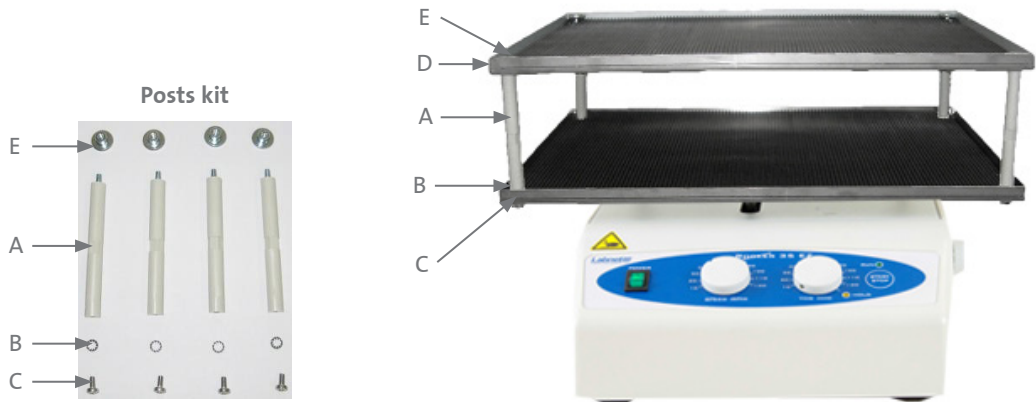
1. Stop the rocker in a position described above, and unload the platform.
2. Loosen the knob on the right side of the rocker housing by rotating it counterclockwise.
3. Adjust the platform to the desired tilt angle by moving it up or down and looking on the degree scale (see above) on the platform drive shaft (front center under platform).
4. Tighten the knob on the right side by turning it clockwise. Test the unit without load to ensure the platform is tight.

Now the rocker is ready for operation with the new desired tilt angle.

6.0 Installation of the Double Platform

Before the installation of the double platform, turn off the Power switch.

For installation of the double platform, prepare the upper platform with the rubber pad and posts kit, which includes four posts, four washers, four screws, and four nuts.



- 1. Set the four posts (A) above the four holes at the corners of the bottom platform.
- 2. Put the washer (B) on each screw (C), and then screw it into each post from the bottom side of the platform.
- 3. Fit the upper platform (D) on the top of the four posts so that the threads of the posts are protruding through the four corner holes.
- 4. Screw the four nuts (E) on the threads of the four posts to fix the upper platform.

7.0 Troubleshooting

Should you have a question about the operation of the Labnet Rocker 35 EZ or if service is required, contact your Corning representative. Do not send in a unit for service without first calling to obtain a repair authorization number. Should the unit require return to Corning for service, it should be properly packaged to avoid damage. Any damage resulting from improper packaging shall be the responsibility of the user.

Problem	Explanation/Solution
Power switch doesn't illuminate when turned on.	<ul style="list-style-type: none"><li>▶ Check the connection to the main power supply.</li><li>▶ Check the fuses.</li><li>▶ Call for authorized service.</li></ul>
Rocker doesn't start when you press START/STOP button.	<ul style="list-style-type: none"><li>▶ Check the connection to the main power supply.</li><li>▶ Check the fuses.</li><li>▶ Call for authorized service.</li></ul>
HOLD yellow signal light and RUN green signal light are blinking.	<ul style="list-style-type: none"><li>▶ Motor overload. Reduce the load on the platform.</li><li>▶ Call for authorized service.</li></ul>

8.0 Cleaning and Maintenance



Prior to any cleaning or maintenance of the device, unplug the power cord from the wall socket.

- ▶ No routine maintenance or lubrication is required.
- ▶ It is recommended that the rocker is kept clean to ensure long trouble-free operation.

8.1. Cleaning

The housing of the rocker can be cleaned with a soft, damp cloth or special cleaners for plastic surfaces (e.g., for car interior – armature). Do not immerse the device or spill liquids on the device.

**NOTE:** Do not use any aggressive or abrasive cleaners (acetone, nitro, polish, etc.) because the surface can get permanently damaged.

## 9.0 Limited Warranty

Corning Incorporated (Corning) warrants that this product will be free from defects in material and workmanship for a period of five (5) years from date of purchase. CORNING DISCLAIMS ALL OTHER WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. Corning's sole obligation shall be to repair or replace, at its option, any product or part thereof that proves defective in material or workmanship within the warranty period, provided the purchaser notifies Corning of any such defect. Corning is not liable for any incidental or consequential damages, commercial loss or any other damages from the use of this product.

This warranty is valid only if the product is used for its intended purpose and within the guidelines specified in the supplied instruction manual. This warranty does not cover damage caused by accident, neglect, misuse, improper service, natural forces or other causes not arising from defects in original material or workmanship. This warranty does not cover motor brushes, fuses, light bulbs, batteries or damage to paint or finish. Claims for transit damage should be filed with the transportation carrier.

In the event this product fails within the specified period of time because of a defect in material or workmanship, contact Corning Customer Service at: USA/Canada 1.800.492.1110, outside the U.S. +1.978.442.2200, visit [www.corning.com/lifesciences](http://www.corning.com/lifesciences), or contact your local support office.

Corning's Customer Service team will help arrange local service where available or coordinate a return authorization number and shipping instructions. Products received without proper authorization will be returned. All items returned for service should be sent postage prepaid in the original packaging or other suitable carton, padded to avoid damage. Corning will not be responsible for damage incurred by improper packaging. Corning may elect for onsite service for larger equipment.

Some states do not allow limitation on the length of implied warranties or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights. You may have other rights which vary from state to state.

No individual may accept for, or on behalf of Corning, any other obligation of liability, or extend the period of this warranty.

For your reference, make a note of the serial and model number, date of purchase, and supplier here.

Serial No. \_\_\_\_\_ Date Purchased \_\_\_\_\_  
Model No. \_\_\_\_\_ Supplier \_\_\_\_\_

## 10.0 Equipment Disposal



According to Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE), this product is marked with the crossed-out wheeled bin and must not be disposed of with domestic waste.

Consequently, the buyer shall follow the instructions for reuse and recycling of waste electronic and electrical equipment (WEEE) provided with the products and available at [www.corning.com/weee](http://www.corning.com/weee).

To request certificates, please contact us at [www.labnetlink.com](http://www.labnetlink.com).

**Warranty/Disclaimer:** Unless otherwise specified, all products are for research use or general laboratory use only.\* Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. These products are not intended to mitigate the presence of microorganisms on surfaces or in the environment, where such organisms can be deleterious to humans or the environment. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications. \*For a listing of US medical devices, regulatory classifications or specific information on claims, visit [www.corning.com/resources](http://www.corning.com/resources).

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