

Labnet Pro 30 Reciprocal Shaker

Instruction Manual

Catalog Numbers:

S2030-RC-B

S2030-RC-B-230V

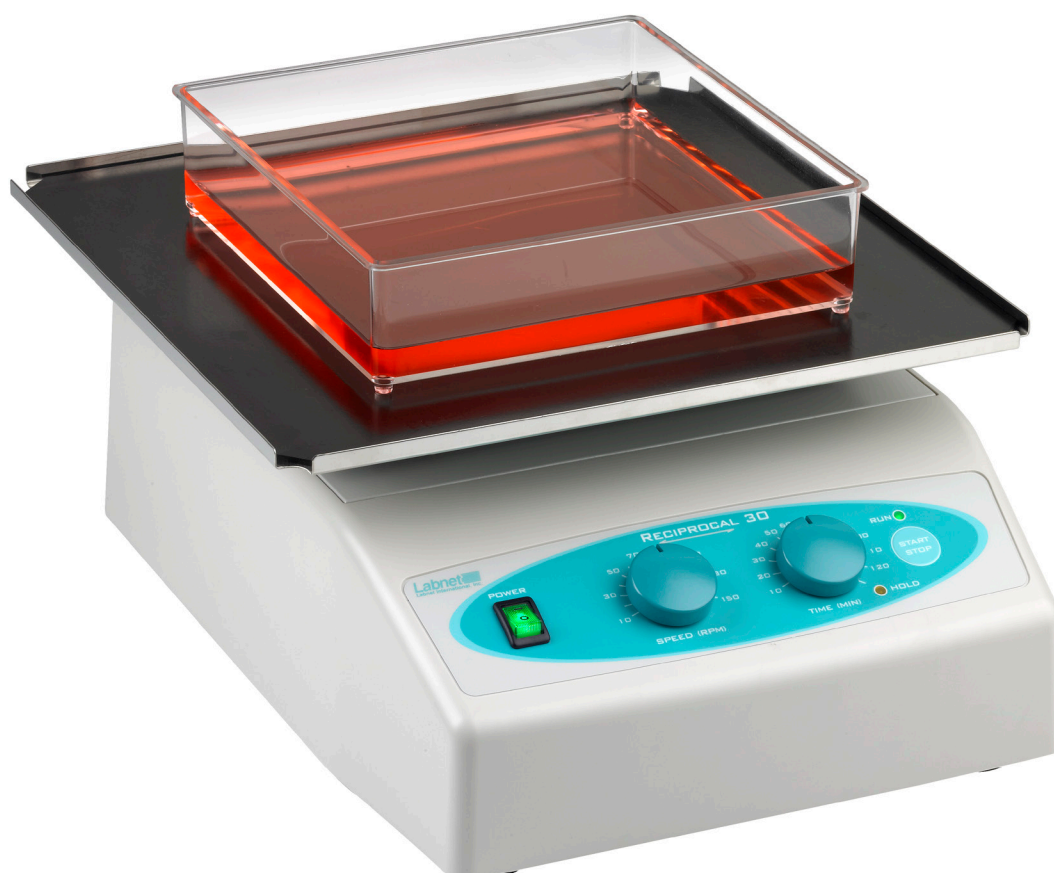


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1.0 Introduction

Congratulations on purchasing your Labnet Pro 30 Reciprocal Shaker. This shaker features a left to right linear action to provide gentle to vigorous shaking. Four platform configurations make this model valuable for a variety of applications.

2.0 Packaging

The Labnet Pro 30 Reciprocal Shaker includes the following components:

- ▶ Pro 30 Reciprocal Shaker
- ▶ Instruction Manual
- ▶ 230V includes EU and UK plug types

NOTE: Platform needs to be purchased separately.

3.0 Specifications

Electric Power Supply

S2030-RC-B	120V ± 10%, 50/60Hz, 0.3A
S2030-RC-B-230V	230V ± 10%, 50/60Hz, 0.15A
Fuse	2 x T 1A L 250V
Speed	From 5 to 150 strokes per minute
Stroke Length	1.2 in. (30 mm)
Timer	20 to 120 minutes, in 10 min. steps, HOLD function
Maximum Load	11 lbs. (5 kg) including platform
Dimensions (W x L x H)	10 x 12.6 x 6.3 in. (25.5 x 32 x 16 cm)
Platform Dimensions (W x L)	11.8 x 11.8 in. (30 x 30 cm)
Weight	14.6 lbs. (6.6 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 shall be with PE conductor and cross section at least 3 x 1.00 mm² or 3 x AWG 18 (USA/CANADA). Unit can be connected to external installation with overcurrent protective device max. value 16A or 20A (USA/CANADA).

The Pro 30 Reciprocal Shaker is designed to be safe at least when operated under the following conditions:

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

4.0 Safety Information



Do not use the shaker near water. Ensure that water doesn't get on the device, particularly during cleaning.

- ▶ If the unit is used in a manner not specified by the manual, the degree of protection may be impaired.
- ▶ The plug should only be used in a wall outlet with protective earthing.
- ▶ The unit should be used with a power supply cord of at least 18 AWG.
- ▶ The equipment will not restart if mains power is interrupted.
- ▶ The equipment will restart in cases of mechanical interruption.
- ▶ Do not expose the shaker to aggressive vapors (e.g., organic solvents).
- ▶ Do not insert any objects into the shaker (such as a screwdriver or metal rods).
- ▶ Never operate the shaker without the platform securely attached.
- ▶ Hazardous samples should be shaken only in appropriate containment vessels.



Do not shake flammable or explosive samples. Do not use the device in a flammable or explosive atmosphere.



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

5.0 Installation

5.1 Unpacking

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

- ▶ Open the box and carefully remove the padding. Check that the shaker has not been visibly damaged during transportation. Keep the packing material until you ensure that the shaker 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.

5.2 Selecting the Location

- ▶ Put the shaker on a horizontal, leveled, and stable surface.
- ▶ Leave enough space around the shaker for normal air circulation (4 in./10 cm minimum).
- ▶ Leave enough space around the shaker 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 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. Plug the unit into a properly grounded outlet.

5.3 Attaching the Power Cord

Connect the main power cord to the shaker, 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 the plug with wet hands. Do not pull the plug by the cord.

5.4. Installing Platform

Mount the accessory platform by firmly inserting the 4 platform mounting pins into the 4 rubber grommet points on the shaker.

6.0 Operating Instructions

6.1. Control Panel



- 1. POWER switch:** Turns the shaker ON (power switch illuminates) or OFF
- 2. SPEED potentiometer:** Sets the shaker speed
- 3. TIME potentiometer:** Sets the timed operation
- 4. RUN:** Green light illuminates when the shaker is running
- 5. START/STOP button:** Starts or stops the shaking operation
- 6. HOLD potentiometer:** Yellow light illuminates when the shaker is set to HOLD (continuous operation)

NOTE: The speed can be adjusted at any time during shaker operation. The time, however, cannot be changed while the shaker is in motion. To change the time, press the STOP button first, allow the shaker platform to come to a full stop, and set the time value again. Restart the shaker.

7.0 Troubleshooting

Should you have a question about the operation of the Labnet Pro 30 Reciprocal Shaker 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">▶ Check the connection to the main power supply.▶ Check the fuses.▶ Call for authorized service.
Shaker doesn't start when you press START/STOP button.	<ul style="list-style-type: none">▶ Check the connection to the main power supply.▶ Check the fuses.▶ Call for authorized service.
HOLD yellow signal light and RUN green signal light are blinking.	<ul style="list-style-type: none">▶ Motor overload. Reduce the load on the platform.▶ Call for authorized service.

8.0 Maintenance and Cleaning

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

8.1. Cleaning



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

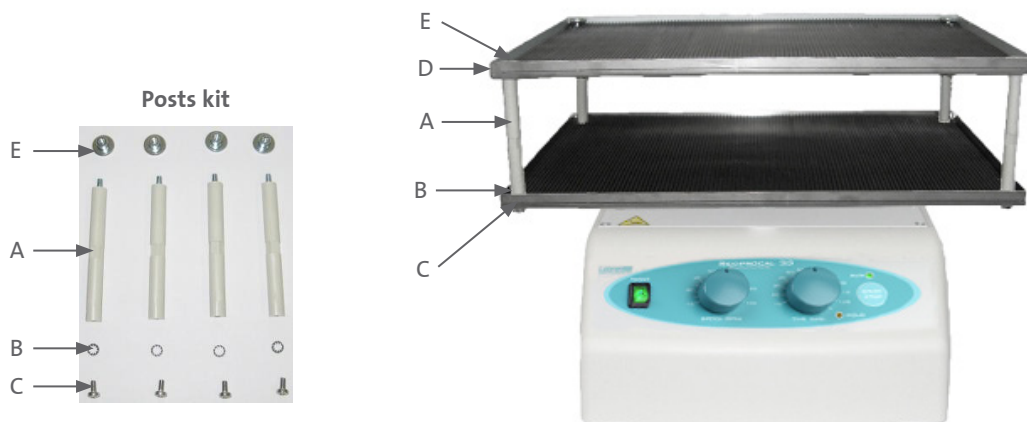
The housing of the shaker can be cleaned with a soft, damp cloth or special cleaners for plastic surfaces (e.g., for car interior – armature). Do not immerse the device or spill liquids on the device.

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

9.0 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.

10.0 Limited Warranty

Corning Incorporated (Corning) warrants that this product will be free from defects in material and workmanship for a period of one (1) year 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, 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 _____

11.0 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.

To request certificates, please contact us at www.labnetlink.com.

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t 65 6572-9740

Taiwan

t 886 2-2716-0338

EUROPE

CSEurope@corning.com

LATIN AMERICA

grupoLA@corning.com

Brazil

t 55 (11) 3089-7400

Mexico

t (52-81) 8158-8400

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