

REVOLVER ROTATOR

User Manual



H5600
H5600-230V-EU
H5600-230V-UK



Labnet

Version 2, 07/15/2016

About This Manual

This manual is designed to assist you in the optimal usage of your Labnet Revolver Rotator. The manual is available in English, French, German, Italian, Portuguese, and Spanish on our website at **www.labnetinternational.com/document-center**

GENERAL SPECIFICATIONS

Electrical requirements:

120 volt model	115V \pm 10% 50/60Hz, 0.03A
230 Volt model	230V \pm 10% 50/60Hz, 0.015A

Speed:

120 volt model	18 rpm
230 Volt model	20 rpm

Motion

Rotating

Maximum Capacity

H5600-02	36 x 1.5ml or 2.0 ml tubes
H5600-15	10 x 15ml tubes
	12 x 5/7ml tubes
H5600-50	6 x 50 ml tubes

Dimensions WxLxH

23.9 X 12.7 X 15.24 cm

Included accessories

Rotisserie 36 x 1.5ml or 2.0 ml tubes (H5600-02)

Weight

2.0 kg

Operating conditions

4°C to 65°C, up to 85% RH, non-condensing

This unit is intended for Research and Development use only

1.0 INSTALLATION OF THE ROTATOR

2.1 UNPACKING

Before starting the installation, carefully examine the rotator:

- Open the box and carefully remove the padding. Check to see that the rotator has not been damaged during transportation. Keep the packing material until you are sure the rotator works properly.
- Make sure that all of the accessories are included.
- Carefully lift the unit from the box.
- Be sure that the following information is included on the serial number located on the bottom of the unit: Serial number, Product number, Electrical rating.
- Check that the power cord has the correct configuration that matches the outlet according to your local standards.

If any damage occurred during transportation, contact your carrier immediately.

2.2 STARTING UP THE ROTATOR

Place the rotator on a level and stable bench top. Connect the plug into the outlet. Avoid lines where line surges may occur, i.e. refrigerators and similar devices are connected, Use the on/off switch to control the rotator.



**Use caution when plugging into a grounded outlet!
DO NOT touch the plug with wet hands!
DO NOT unplug the unit by pulling the power cord!**

2.0 LOADING THE ROTISSERIE

The 36 x 1.5ml or 2.0 ml tube Rotisserie supplied with unit consists of 2 Rotisserie plates attached to an axle that mounts into the motor drive of the apparatus. The Rotisserie plates from the other assemblies are interchangeable on the axles, so you can mix and match the plates and process different tube sizes at one time. Individual rotisserie plates can be adjusted independently for 2 distinct types of motion for each plate at the same time.

When removing and installing the rotisserie plates from the axle, always remove the axle from the units first. Otherwise damage may occur to the axle or the unit.

Mount the rotisserie assembly into the unit by inserting one end of the axle into the drive mechanism and the other end into the bushing under the small green handle. The metal frame of the unit is flexible to allow inserting the Rotisserie without tools.

Be sure to distribute the tubes evenly across the entire rotisserie carrier for smooth rotating motion.

2.1 Tumbling



To create a Tumbling motion for your samples, turn the Rotisserie plates so the samples are in a “Vertical Mixing Position”

2.2 Gentle Mixing



To create a Gentle Mixing motion for your samples, turn the Rotisserie plates so the samples are in a “Horizontal Mixing Position”

3.3 Combination Mixing



To create a combination of mixing styles, turn each rotisserie plate to the desired angle to achieve 2 different agitation levels.

3.0 ROUTINE MAINTENANCE/ CLEANING

- No routine maintenance or lubrication is required
- Keeping the rotator clean will the help to maintain it in proper operating condition.

4.1 Cleaning

The outside housing can be cleaned with a soft, damp cloth when needed. DO NOT use any aggressive or abrasive cleaners (acetone, nitro, polish etc.). This may permanently damage the rotator finish. **Before cleaning the rotator, always unplug the power cord.**



Warnings:

- **DO NOT** use the rotator near water sources. Be sure that water does not get on the device, especially during cleaning procedures.
- **DO NOT** expose the rotator to aggressive solvents.
- Hazardous samples should be mixed only in appropriate containment vessels.
- **DO NOT** mix flammable or explosive samples!

NOTE: Misuse or unauthorized modifications will waive the warranty rights. If the equipment is used in a manner not specified by the manufacture, the safety features of the rotator may be impaired

5.00 SYMBOLS AND CONVENTIONS

The following chart is an illustrated glossary of the symbols that may be used in this manual or on the product.

	The electrical warning indicates the presence of a potential hazard which could result in electrical shock.
	CAUTION This symbol refers you to important operating and maintenance (servicing) instructions within the product Instruction Manual. Failure to heed this information may present a risk of damage or injury to persons or equipment.
	This symbol identifies a Protective Earth (PE) terminal, which is provided for connection of the supply system's protective earth (green or green/yellow) conductor.

EQUIPMENT DISPOSAL-EUROPEAN REGULATIONS



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), Labnet Revolver Rotator 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 the following link: www.corning.com/weee

LIMITED WARRANTY

Labnet International Inc. warrants that this product will be free from defects in material and workmanship for a period of one (1) year from date of purchase. This warranty is valid only if the product is used for its intended purpose and within the guidelines specified in the supplied instruction manual.

Should this product require service, contact Labnet's Service department at 732-417-0700 to receive 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. Labnet International Inc. will not be responsible for damage incurred by improper packaging. Labnet may elect for onsite service for larger equipment.

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.

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