

roto-mini

PLUS

User Guide

EN



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Introduction

The Roto-Mini Plus is a tube and plate rotator designed to support a wide range of mixing applications. Suitable for numerous laboratory workflows, including resuspension, protein binding, nucleic acid purification, histochemistry, and hybridization, the Roto-Mini Plus features interchangeable tube holders that accommodate common tube sizes ranging from 0.5 mL to 50 mL.





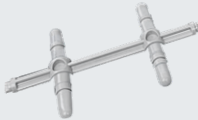


Specifications

ROTO-MINI PLUS	
Speed	Adjustable from 1 to 70 rpm
Maximum Capacity	24 x 0.5 mL 22 x 1.5-2 mL 10 x 5-7 mL (12-13 mm) 10 x 10-15 mL (16-17 mm) 6-50mL
Dimensions (WxDxH)	27.5 x 15.2 x 16.5 cm (10.8 x 6.0 x 6.5 in.)
Electrical	100V-240V 50-60 Hz 0.25A 5W
Weight	1.4 kg (3 lb.)
Operating Environment	4°C-65°C
Warranty	2 years

Installation

1. Place the Roto-Mini Plus on a clean and stable surface. Ensure that there is at least three inches of open space both in front of and behind the instrument.
2. Plug the instrument into an outlet of the appropriate voltage.

Tube Holder

<p>Tube Holder</p>	 <p>R2020-1520 11 x 1.5-2.0 mL</p>  <p>R2020-0507 5 x 5-7 mL (12-13 mm)</p>  <p>R2020-150 5 x 10-15 mL (16-17 mm)</p>	 <p>R2020-500 6 x 50 mL and 24 x 0.5 mL</p>	
<p>Associated Post</p>	 <p>Post with four arms</p>	<p>None</p>	 <p>Post in two parts</p>
<p>Installation</p>	<ol style="list-style-type: none"> 1. Firmly attach the chosen holders onto the post arms. 2. Engage each side of the post in the slots of the rotator. 3. Rotate the post until it is fully installed, see <i>Figure 3</i>.  <p>Figure 3 Post insertion</p>	<ol style="list-style-type: none"> 1. Engage each side of the holder in the slots of the rotor. 2. Rotate the holder until it is fully installed, see <i>Figure 3</i>. 	<ol style="list-style-type: none"> 1. Screw the two parts of the post through the central hole of the bracket. 2. Engage each side of the post in the slots of the rotor. 3. Rotate the post until it is fully installed, see <i>Figure 3</i>.
<p>Rotation Angle</p>	<p>Choose the appropriate rotation angle by manually rotating the holders around the post arms</p>	<p>Vertical mixing of samples in the tubes</p>	<p>Horizontal mixing of samples in the tubes</p>

Operation

Set the Rotational Speed

The rotational speed can be selected by pressing the ▲ and ▼ arrows to adjust the display to the desired speed setting (5 to 70 rpm).

Choose the Mixing Mode

The Roto-Mini Plus has a standard rotating mode. To activate and stop the device, press the **Start/Stop** button.

In addition to the standard rotating mode, the Roto-Mini Plus also offers three additional mixing modes:

Mix: cycles of turns-stop-shake

Pause: cycles of turns-stop

Rock: continuous soft swinging

To change the standard rotating mode into Mix, Pause, or Rock mode, press the **Mode** button until the LED lights up in front of the chosen mode. Press the **Mode** button again to return to standard rotation (no LED is on).

NOTICE

The device must be stopped to change modes.

Set the Rotational Speed

The speed can be selected by pressing the ▲ and ▼ arrows to adjust the display to the desired speed setting (5 to 70 rpm depending on the selected mode).

Maintenance

No routine maintenance is required other than to keep the unit clean. Cleaning can be done with a damp cloth.

NOTICE

Avoid the use of harsh solvents.

Ordering Information

PART NUMBER	DESCRIPTION
36110100	Roto-Mini Plus with tube holders, 115V, US plug
36110110	Roto-Mini Plus with tube holders, 230V, EU and UK plug
36110130	Roto-Mini Plus with tube holders, 230V, AU plug

Warranty

Gilson warrants this instrument against defects in material under normal use and service for two years from the date of purchase. This warranty is valid only if the instrument is used in the manner described in this guide and for the purpose for which it is designed. Gilson is not responsible for consequential damages resulting from the misuse or bad cleaning or decontamination of this instrument. Enclose with the returned instrument a description of the problem that has occurred.

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