

Section 2 Overview

2.1 Specifications

Category Number

Description	NA Cat. No.	NA/EU Cat. No.
Open Air Rocker	88861025 US plug	88861026 /15514070 Intl plug

Speed

Range	1 to 50rpm
Speed Accuracy	±1 rpm
Display	LED
Display Accuracy	1 rpm

Note: Maximum speed may vary with heavy or unbalanced loads.

Rocking Angle

Angle Range	1° ~15°
Angle Accuracy	±1°
Display	LED
Display Accuracy	1°
Rocking Mode	Left right reciprocating motion

Load

Maximum Load (Centered on tray)	4.5 kg (Clamps Included)
------------------------------------	--------------------------

Power Supply

Requirement	AC100-240V, 50Hz/60Hz, 0.1A
-------------	-----------------------------

Time

Timing Range	Continuous Mode (Time displayed as 0) 1s to 9999 min
--------------	--

Size

Overall Dimensions	415×293×204mm(16.3×11.5×8.0in.)
Tray Dimensions	316×276×17mm(12.4×10.9×0.7in.)
Packaging Dimensions	536×501×346mm(21.1×19.7×13.6in.)

Weight

Net Weight	12.7Kg(30lb)
Gross Weight	14.7Kg(32.4lb)

Others

Certificate	ROHS, WEEE, cCSAus, CE Mark
-------------	-----------------------------

2.2 Environmental Conditions

Application Environmental Conditions: indoor use

Temperature	5 to 40°C (41 to 104°F)
Humidity	20% to 85%,
Altitude	≤2,000 m
Voltage Fluctuation	± 10% of the nominal voltage

Storage Environmental Conditions

Temperature	0 to 60°C (36 to 124 °F)
Humidity	20% to 90%, non-condensing

2.3 Safety Instructions

Please read the entire instruction manual before operating the Open Air Rocker.



WARNING DO NOT use the Open Air Rocker in a hazardous atmosphere or with hazardous materials for which the unit was not designed. Also, the user should be aware that the protection provided by the equipment may be impaired if accessories used are not provided or recommended by the manufacturer, or are used in a manner not specified by the manufacturer.

CAUTION ! To avoid electrical shock, completely cut off power to the unit by disconnecting the power cord from the unit or unplug from the wall outlet. Disconnect unit from the power supply prior to maintenance and service. Any spills should be removed promptly. Bio hazard spills should be cleaned using approved liquid promptly. Solvent spills are a fire hazard. Stop the unit immediately, and **DO NOT** operate until clean up is complete and vapors have dissipated.

DO NOT immerse the unit for cleaning.

DO NOT operate the unit if it shows signs of electrical or mechanical damage.

Position of Loads

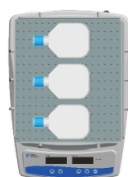
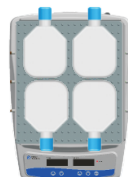
Place the loads in the recommended positions below:

1. Place load at the center of the tray
2. Place loads symmetrically around the center of the tray
3. Make sure to use rubber strips to fasten containers onto the tray

Centered placement



Symmetrical placement

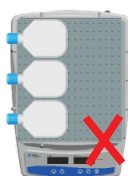
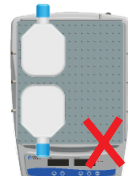


Asymmetrical placement

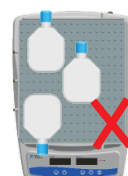
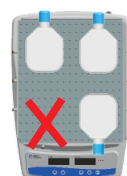
Cornered placement



Sided placement



Other placement



⚠ Asymmetric loading or unloading may affect the normal operation of the instrument and may even cause unpredictable damage.

This Open Air Rocker is applicable to various mixing operations in different areas, including gel colorization/ decolorization, sample cleaning, antibody staining, hybridization, immunoprecipitation, blot, and small volume tissue culture. To avoid accident during operation, please use rubber bands to fasten containers onto the tray.

2.4 Loads, Angle and Speed

Tilt Angle	Placement	Maximum Speed (rpm)	Maximum Weight (Kg)
15°	Centered	50	4.5
1°	Centered	50	4.5
15°	Corner	20	1
1°	Corner	20	1
15°	Sided	30	1.5
1°	Sided	30	1.5

Warning: It may affect the maximum speed of the instrument if placing the cell culture flask in the corner or on one side of the tray. If cornered or sided placement is required by the experiment, please make sure to increase the speed gradually.