

Compact & High-Speed Orbital Shaker

- Low vibration, low noise
- Compact design, intelligent operation
- Easy installation in SANYO incubator or growth chamber

MIR-S100



Quiet, smooth and fast.
The SANYO MIR-S100 orbital shaker delivers
superior performance and functions in a compact,
low-vibration design.

Easy operation with MIR/MLR models



This shaker can be installed in the MIR-153 incubator (see above photo) and also in other models (MIR-253, MIR-553 and MLR-350). For details, see overleaf.



Copper-enriched
Stainless Steel Platform

MIR-S100

Compact, high-speed orbital shaker with thin design and low center of gravity delivers low-vibration, low-noise operation.

Features

• Quiet, low-vibration operation

Thin design with a low center of gravity enables low-vibration, low-noise operation.

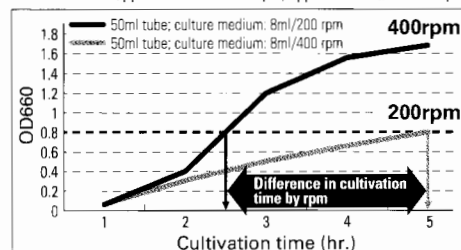
• High-speed shaking

The MIR-S100 offers high-speed shaking from 50 to 500 rpm, which significantly reduces waiting time for cultures.

E. coli bacteria proliferation comparison

E. coli bacteria transformation test in which bacteria cultivation continues until OD660 turbidity factor reaches 0.8.

Cultivation time: approx. 5 hours at 200 rpm; approx. 2.5 hours at 400 rpm



Bacteria sample: IF03972; Culture medium: LB; Cultivation temperature: 37°C

• Auto limit (Patent Pending)

Automatically limits the speed when abnormally high vibration is detected. LED indicates when auto limit is selected and flashes when in operation.

• Easy operation with MIR/MLR models

Can be installed in the MIR-153/253/553 and MLR-350. Control panel located in center of unit enables checking of indicators through the window of the MIR/MLR.

No. of units that can be installed

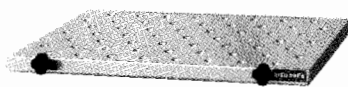
MIR-153	1 unit
MIR-253	2 units
MIR-553	2 units
MLR-350	2 units

*The optional Mounting Kit is required for installation.

*Please refer to the instruction manual for details before use.

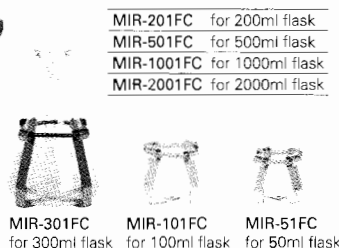
Options

Shaking platform



MIR-38PFN
Threaded hole diameter: 10 – 32UNF
Threaded hole pitch (longitudinal): 34.85 mm (1.37")
Threaded hole pitch (lateral): 20.65 mm (0.81")

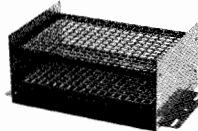
Clamps for flasks



MIR-301FC for 300ml flask
MIR-101FC for 100ml flask
MIR-51FC for 50ml flask

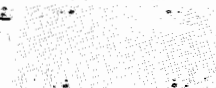
Test tube rack

MIR-204SC for various tubes



Mounting kit

MIR-15FP for use with MIR-153/253/553 and MLR-350



*The platform also accommodates clamps and accessories manufactured by other companies.

• Soft start

Gradually accelerates until reaching the preset number of revolutions so that samples inside flasks and test tubes are not spilled or foamed. Three levels of acceleration speed can be selected.

• Timer

Indicates time of operation from 0 to 99.9 hours in increments of 0.1 hour (6 minutes).

• Integrated operating time display

Displays the integrated operating time (which can be checked in the function mode).

• Key lock

Locks the keys on the control panel to avoid accidental function selection.

• Auto recovery after power interruption

Automatically recovers after power interruption, and indicates that power interruption has occurred.

• Speed error alarm

Indicates an error when the number of revolutions does not reach or exceeds the preset value.

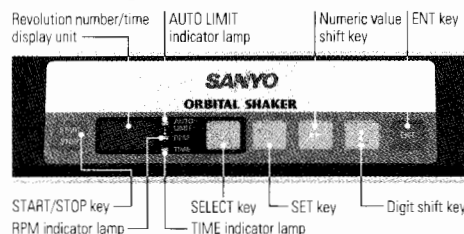
• Motor overload protection circuit

Detects over-current and automatically stops operation. Indicates an error when overload is applied to the motor.

• Sturdy stainless steel finish

Equipped with a cover made of stainless steel with hair line finish to facilitate cleaning.

Control panel

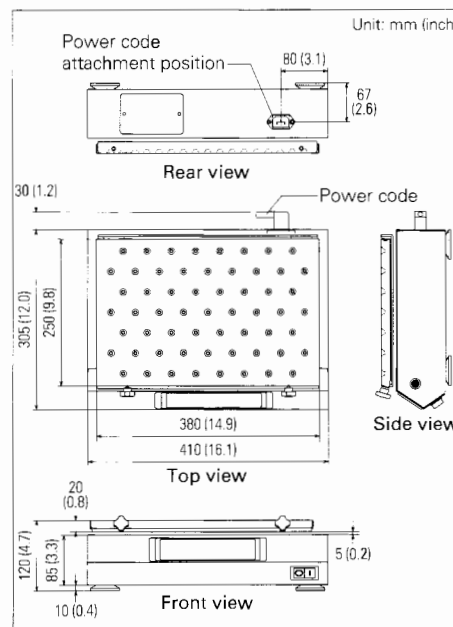


Specifications

Product name	Orbital shaker
Model number	MIR-S100
Exterior dimensions (W x D x H)	410 x 305 x 120 mm 16.1 x 12.0 x 4.7 inch
Casing	Main body: Baked-on acrylic finish galvanized steel Cover: Stainless steel SUS304 with hair line finish
Shaking platform dimensions (W x D)	380 x 250 mm 14.9 x 9.8 inch
Shaking platform	Copper-enriched stainless steel (sold separately)
Shaking method	Orbiting motion
Amplitude (orbiting motion diameter)	20 mm 0.8 inch
Shaking speed	50 to 500 rpm
Allowable load weight	5 kg (11 lbs.)
Number of acceptable flasks	100 ml Erlenmeyer flask: 11 500 ml Erlenmeyer flask: 6
Display unit	Three-digit digital LED (speed/time changeable)
Motor	Brushless DC motor
Ambient service condition	0 to 60°C
Net weight	15 kg (33 lbs.)

*Appearance and specifications are subject to change without notice.

Dimensions



ISO 9001 & 14001-certified

Distributed by:

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