Shaking Incubator /Temperature Control Orbital Shaker

Model **MSBSI3SWISS** | Brand **Master Science** | Unit **Pc**



Incubated Shaker

The MSBSI3SWISS Shaking Incubator combines the functions of an incubator and a shaker, offering precise temperature control and shaking action for optimal incubating conditions. This versatile device is ideal for a range of applications including cell culture, fermentation, biochemistry, water quality analysis, plant cultivation, and breeding.

KEY HIGHLIGHTS

- Instrument Protection
- Component Protection
- Sample Protection
- Operator Protection
- Breakdown Notifications

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

It is designed to meet the requirements for bacterial and microbial suspension incubation, providing consistent and efficient performance.

Ensures stable operation with low noise and energy consumption, using a patented single-axis drive and balancing technology.

Features an adjustable transparent cover with pneumatic support, allowing flexible height adjustments for easy operation.

Equipped with a colorful touch screen that displays real-time temperature, rotation speed, and working time. The intuitive menu interface makes it easy to use.

Key Features

COMPACT UNIT COMBINING INCUBATOR AND SHAKER FUNCTIONS.

Patented design with a large transparent window for easy monitoring of culture progress.

Reserve test hole for external sensors to measure internal cabinet temperature (optional).

Stainless steel shaking platform and chamber, resistant to corrosion and easy to clean.

Universal clamps suitable for various vessels of different volumes.

UNINTERRUPTED PERFORMANCE GUARANTEE

Equipped with a brushless DC motor that delivers high starting torque, wide speed adjustment, and requires no maintenance.

Instrument Protection
Complies with international standards for secondary temperature limiter and alarm systems, providing sound and light alerts.

Component Protection
Safeguards key components against overcurrent, overheating, and overloading.

Sample Protection
Alerts the operator if the working chamber temperature exceeds the set range with sound and light alarms, cutting off the heater for safety.

Operator Protection
Insulated design of the cabinet and door ensures low heat emission, protecting the operator from burns.

Breakdown Notifications
Displays error messages on the screen to help operators troubleshoot easily.

OPTIONAL USB PORT FOR RECORDING TEMPERATURE PARAMETERS.

RS232 data interface for remote machine control via software (optional). Only one of these options can be selected.

Additional Information
The MSBSI3SWISS combines incubator and shaker functions, making it a powerful tool for laboratories. It ensures accurate temperature control and shaking conditions for cell culture, fermentation, and other biological processes, making it indispensable for researchers in microbiology, biochemistry, plant science, and water quality analysis.

Technical Specifications

PARAMETER	SPECIFICATION
Temperature Range	RT+5°C to 65°C
Temperature Control Accuracy	±0.1°C
Speed Range	40 to 300 rpm
Frequency Accuracy	±1 rpm
Platform Size	450 x 450 mm
Inside Height	330 mm
Overall Dimensions (W x D x H)	590 x 825 x 550 mm
Net Weight	52 kg
Amplitude	20 mm
Running Time	1 to 99 hours 59 minutes

Applications

Continuous Flow Fan Technology
Ensures air stability without turbulence, maintaining uniform temperature across the chamber.

Automatic Fan Speed Control
Prevents sample volatilization by adjusting the fan speed according to requirements.

Patented Single-Axis Drive Technology

Pneumatic Support Technology

Large Screen LCD Display

Standard Accessories Included

- AC 220V / 50 Hz
- Rated Power: 1000 W
- 250 ml x 18 pcs
- This incubator-shaker is ideal for laboratories seeking a reliable, multifunctional instrument with advanced control over temperature and mixing operations.