Master Science Heating Incubator: Precision Temperature Control for Laboratory Research

Model **MSICB81SWISS** | Brand **Master Science** | Unit **Pc**



Heating Incubator

Experience unmatched reliability and precision with the Master Science ICB Series Heating Incubator, tailored for laboratory researchers and equipment purchasers seeking stable environments for cell cultures, microbial growth, and biochemical assays.

KEY HIGHLIGHTS

- Intuitive Large LCD Display
- Uniform Air Circulation
- Flexible Capacity Options

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

Featuring advanced dual temperature control, a large LCD display, and robust safety measures, this series—including the versatile MSICB81SWISS model—ensures consistent performance from RT+5°C to 80°C. With its stainless steel construction and user-friendly design, the ICB Series minimizes downtime and maximizes experimental accuracy, making it an indispensable asset for modern labs focused on reproducibility and efficiency.

Dual temperature control with auxiliary backup maintains ±0.5°C fluctuation and ±1°C uniformity, delivering reliable conditions for sensitive applications like enzyme reactions and sample incubation.

Real-time monitoring of temperature and timing functions simplifies operation, allowing quick adjustments and reducing user error in fast-paced research settings.

In laboratory environments, temperature inconsistencies, equipment failures, and safety risks often lead to compromised data, increased costs, and workflow interruptions. The ICB Series tackles these issues effectively:

By addressing these challenges, the ICB Series enhances lab productivity, reduces operational risks, and supports cost-effective, high-precision research.

Key Benefits

EXCEPTIONAL PRECISION AND STABILITY

Intuitive Large LCD Display

KEY FEATURES

Built-in leakage protection automatically cuts power during faults, safeguarding personnel and equipment without disrupting other lab operations.

High-quality stainless steel chamber with removable shelves facilitates easy cleaning and maintenance, ensuring long-term hygiene and compliance with lab standards.

Uniform Air Circulation
Unique air duct system promotes even temperature distribution, preventing hotspots and supporting consistent results across the entire chamber.

Flexible Capacity Options
Available in 43L, 81L, 138L, and 252L volumes to suit varying lab scales, with the MSICB81SWISS offering an ideal 81L for mid-sized experiments.

UNIQUE SYSTEM FOR OPTIMAL UNIFORMITY.

Silicon sealing ring, anti-hot handle, microprocessor controller.

Technical Specifications

GENERAL	
General	Interior Volume81L
General	Temperature RangeRT+5°C to 80°C.
General	Temperature Fluctuation±0.5°C.
General	Temperature Uniformity±1°C.
General	Temperature Resolution0.1°C.
General	Auxiliary Temperature ControlYes, for backup stability.
General	Leakage ProtectionYes, with automatic power cutoff.
General	DisplayLarge LCD screen with temperature correction and timing functions.
General	Chamber MaterialHigh-quality stainless steel.
General	Shelves2 removable shelves.
General	Exterior Size (W×D×H)73×53×69 cm.
General	Chamber Size (W×D×H)45×40×45 cm.
Data Tracking Gaps	Optional RS485 interface and printer enable seamless logging and remote control, streamlining compliance and analysis for busy researchers.

SOLVING COMMON LAB PAIN POINTS	
Temperature Variability	The microprocessor-controlled system with 0.1°C resolution and auxiliary temp control eliminates fluctuations, ensuring precise, reproducible conditions that reduce failed experiments and save valuable time.
Equipment Downtime from Failures	Spare temperature control kicks in if the main unit fails, maintaining operations and preventing sample loss during critical incubations.
Safety Hazards	Leakage protection isolates electrical faults, protecting users from shocks and preventing broader lab disruptions, which is crucial for high-stakes research.
Cleaning and Maintenance Challenges	Removable shelves and a seamless stainless steel interior with silicon sealing simplify sterilization, addressing hygiene concerns and extending equipment lifespan.
Uneven Heating	The innovative air duct design guarantees uniform temperature, solving issues with inconsistent sample growth in larger chambers.
Scalability Limitations	Multiple volume options, including the compact yet spacious MSICB81SWISS, allow purchasers to match equipment to specific needs without overinvesting.

Standard Accessories Included

- 85×66×86 cm.
- Power Rating: 700W.
- Net/Gross Weight: 50/75 kg.

Optional Accessories

- Integrate multi-segment programmable control, built-in printer, RS485 interface for remote monitoring, or UV sterilizer for enhanced functionality and data management.
- Heating Incubator, ICB Series - Master Science
- Multi-segment programmable control, built-in printer, RS485 interface, UV sterilizer.
- This optimized overview positions the ICB Series as a precision powerhouse for lab incubation, combining cutting-edge features with practical design to meet the demands of researchers and purchasers alike. For more information or to purchase, visit the official product page.