BOD Cooling Incubator 81-397 L, 0 to 65°C, Internal Power Socket, PID Control, Chamber Lighting

Model **MSICB-B80HIISWISS,MSICB-B150HIISWISS,MSICB-B200HIISWISS,MSICB-B250HIISWISS,MSICB-B300HIISWISS,MSICB-B400HIISWISS** | Brand **Master Science**





The Master Science BOD Cooling Incubator with Internal Socket is set up for running other instruments inside the chamber. An internal power socket lets you place a small shaker or a BOD tester in the incubator and run it at controlled temperature without trailing cables through the door seal.

KEY HIGHLIGHTS

- Run instruments inside
- Holds low setpoints
- See without opening
- Resumes after outages

AT A GLANCE

0 to 65°C TEMPERATURE RANGE	**81 / 160 / 202 / 251 / 304 / 397 L** CAPACITY
0.1°C DISPLAY ACCURACY	**SUS304 stainless steel** CHAMBER

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

A refrigeration compressor and microcomputer PID controller hold any setpoint from 0°C to 65°C with ±0.1°C control accuracy. The SUS304 chamber has rounded corners and pull-out shelves, interior lighting lets you check samples, and an RS485 port supports data connection. Six sizes are offered from 81 to 397 litres.

Need sub-zero temperatures? Compare the Master Science BOD Cooling Incubator with Internal Socket with our cooling biochemical incubator, -10 to 65°C.

Running instruments in an incubator usually means cables through the door. The Master Science BOD Cooling Incubator with Internal Socket avoids that and helps with:

Key Benefits

Run instruments inside
The internal socket of the Master Science BOD Cooling Incubator with Internal Socket powers shakers or BOD testers in the chamber.

Holds low setpoints
Compressor cooling keeps 20°C BOD conditions steady.

See without opening
Chamber lighting helps you check samples quickly.

Resumes after outages
Stored parameters restart the program automatically.

Technical Specifications

GENERAL	
General	Specifications of the Master Science BOD Cooling Incubator with Internal Socket range:
Brand	Master Science
Model Number	MSICB-B80HIISWISS,MSICB-B150HIISWISS,MSICB-B200HIISWISS,MSICB-B250HIISWISS,MSICB-B300HIISWISS,MSICB-B400HIISWISS
SKU	MSICB-B80HIISWISS,MSICB-B150HIISWISS,MSICB-B200HIISWISS,MSICB-B250HIISWISS,MSICB-B300HIISWISS,MSICB-B400HIISWISS
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Capacity	**81 / 160 / 202 / 251 / 304 / 397 L**
Circulation	Forced convection
Temperature range	**0 to 65°C**
Fluctuation	±0.5 to ±1°C
Uniformity	±2°C
Control accuracy	**±0.1°C**
Controller	Microcomputer PID
Shelves	2 / 3 / 3 / 3 / 3 / 3
Timer	Continuous or 0-9999 min
Alarms	Over-temperature, probe failure
Internal socket	Yes, for small instruments
Communication	RS485
Chamber	SUS304 stainless steel
Exterior	Powder-coated cold-rolled steel

DIMENSIONS & WEIGHT	
Internal dimensions (W×D×H)	400 × 370 × 550 / 450 × 420 × 850 / 450 × 450 × 1000 / 480 × 490 × 1070 / 520 × 500 × 1170 / 580 × 540 × 1270 mm
External dimensions (W×D×H)	540 × 580 × 1075 / 598 × 633 × 1471 / 590 × 659 × 1525 / 620 × 690 × 1595 / 660 × 702 × 1695 / 720 × 747 × 1795 mm

DISPLAY & DATA	
Display accuracy	**0.1°C**
Display	LCD

POWER	
Power supply	1 phase, 220 V, 50 Hz
Power consumption	650 / 710 / 760 / 810 / 960 / 1280 W

LAB PROBLEMS THE MASTER SCIENCE BOD COOLING INCUBATOR WITH INTERNAL SOCKET SOLVES	
Cables breaking the door seal	The internal socket powers equipment inside.
Warm-room drift during BOD tests	Active cooling holds 20°C steadily.
Opening the door to check samples	Interior lighting improves visibility.
Lost programs after outages	Parameters are restored automatically.

Applications

The Master Science BOD Cooling Incubator with Internal Socket is used for: BOD5 testing with in-chamber BOD meters Water quality and environmental analysis Culture of bacteria, moulds and microorganisms Shaking cultures with a small shaker inside Drug testing and agricultural research

Temperature control

- Refrigeration compressor with eco-friendly refrigerant
- Microcomputer PID controller
- 0 to 65°C range

Convenience

- Internal power socket
- Built-in chamber lighting
- Continuous or timed running
- Power-failure memory; RS485 port

Construction

- SUS304 chamber with rounded corners
- Pull-out adjustable shelves
- Casters for moving

Standard Accessories Included

- BOD cooling incubator
- Shelves (2 or 3 depending on size)

Optional Accessories

- Independent external over-temperature protector
- Ø35 mm test port
- RS485-to-USB adapter
- 30-segment programmable controller