Economy Heating Incubator 50-270 L, RT+5 to 65°C, PID Control, Viewing Window, Leakage Protection

Model **MSICB-50ESWISS,MSICB-80ESWISS,MSICB-160ESWISS,MSICB-270ESWISS** | Brand **Master Science**









The Master Science Economy Heating Incubator is a practical choice for routine culture and strain storage in universities, agricultural labs and research departments. It holds temperatures from 5°C above ambient up to 65°C, with 0.5°C fluctuation and ±1°C uniformity.

KEY HIGHLIGHTS

- Low running cost
- Even temperature
- Check without opening
- Safe in daily use

AT A GLANCE

RT+5 to 65°C TEMPERATURE RANGE	**50 / 80 / 160 / 270 L** CAPACITY
210 / 280 / 380 / 570 W POWER CONSUMPTION	**±1°C** UNIFORMITY

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

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Overview

Air is drawn in at the back and returned along both sides by a large-impeller fan, and laser-perforated shelves let it pass freely around samples. A silicone door seal, thick aluminium silicate insulation and adaptive control help keep energy use low. A viewing window in the door lets you check cultures without opening it. Four sizes run from 50 to 270 litres.

For a gentle-airflow model with UV lamp and glass inner door, see our constant temperature incubator 45-210 L, a step up from the Master Science Economy Heating Incubator.

Basic incubators can waste energy and give uneven results. The Master Science Economy Heating Incubator addresses:

Overview

- Large LCD with menu operation
- Fixed-value and timed running with END alert
- Self-diagnosis with fault display

Key Benefits

Low running cost
The Master Science Economy Heating Incubator uses a silicone seal, thick insulation and adaptive control to save energy.

Even temperature
Back-suction, side-return airflow and perforated shelves.

Check without opening
A built-in viewing window shows the samples.

Safe in daily use
Leakage protection and over-temperature alarms are standard.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSICB-50ESWISS,MSICB-80ESWISS,MSICB-160ESWISS,MSICB-270ESWISS
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SKU	MSICB-50ESWISS, MSICB-80ESWISS, MSICB-160ESWISS, MSICB-270ESWISS
Capacity	**50 / 80 / 160 / 270 L**
Circulation	Forced air convection, back suction with side return
Temperature range	**RT+5 to 65°C**
Fluctuation	0.5°C
Resolution	0.1°C
Uniformity	±1°C
Sensor	PT100
Controller	PID
Timer	1-9999 min
Chamber	Brushed stainless steel
Exterior	Electro-galvanized steel, antimicrobial powder coating
Insulation	Aluminium silicate fibre
Shelves	2 / 2 / 3 / 3
Test port	Optional Ø25, 50 or 80 mm
Safety	Leakage protector; over-temperature sound and light alarm; self-diagnosis
Display	LCD

DIMENSIONS & WEIGHT

Internal dimensions (W×D×H)	350 × 350 × 410 mm (50 L model)
External dimensions (W×D×H)	510 × 520 × 800 mm (50 L model)
Net / gross weight	43/50, 52/55, 85/95, 100/110 kg

POWER	
Power supply	220 V, 50 Hz
Power consumption	210 / 280 / 380 / 570 W

INCUBATION PROBLEMS THE MASTER SCIENCE ECONOMY HEATING INCUBATOR SOLVES	
High energy use	Better sealing and insulation reduce heat loss.
Uneven shelves	Engineered airflow evens out temperature.
Opening the door to check	The viewing window shows cultures at a glance.
Electrical safety concerns	A leakage protector is built in.

Applications

The Master Science Economy Heating Incubator is used for
Bacterial culture and strain storage Agricultural and biological research University teaching labs Food microbiology testing General warm incubation of samples

Energy saving

- Synthetic silicone door seal
- Thick aluminium silicate insulation
- Adaptive control based on ambient and load

Chamber

- Brushed stainless steel interior
- Laser-perforated, adjustable shelves (30 mm minimum spacing)
- Viewing window and anti-scald handle

Standard Accessories Included

- Heating incubator
- Shelves (2 or 3 depending on size)

Optional Accessories

- Independent temperature limiting controller
- Programmable LCD controller with USB, RS485/232 or printer
- Test port Ø25, 50 or 80 mm