Plant Growth Chamber

Model **MSGMJ250SWISS** | Brand **Master Science** | Unit **Pc**



Plant Growth Chamber

The MSGMJ250SWISS plant growth chamber is designed for light-dependent experiments and cultivation, including microorganisms, cell tissue, seeding, insects, and small animals.

KEY HIGHLIGHTS

- Material
- Light Barrier
- Defrosting
- Diagnostic capabilities for continuous monitoring.

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

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Key Features

Material
SUS304 stainless steel inner chamber with polyurethane insulation and electrostatic exterior.

Light Barrier
Four-layer LED lamp board for optimized illumination.

Defrosting
Automatic system.

OVERHEATING AND LONG-TERM FAILURE PROTECTION.

Diagnostic capabilities for continuous monitoring.

Technical Specifications

PARAMETER	SPECIFICATION
Dimensions	600x500x840 mm
Volume	250L
With illumination	10–65°C
Without illumination	0–65°C
Illumination Intensity	0–30,000 LUX adjustable with multiple levels
Display	7.0-inch color touch screen for easy operation.
Program	30 sections programmable for temperature and illumination settings.

PARAMETER	SPECIFICATION
Illumination Plates4 adjustable plates for flexibility in lighting.	
Double Door StructureHigh-quality stainless steel with observation window.	
7-Inch Touch Screen DisplayFacilitates viewing historical data and programming auto start/stop.	
Efficient Cooling SystemEnhanced service life via backflow and expansion valve controls.	
Precision ControlDigital independent temperature regulation.	
Premium ComponentsImported temperature sensors and compressors for reliability.	
FeatureSpecification	
Cycle ModeForced convection	
Temperature Range0–65°C (Without Illumination)	
Resolution Ratio0.1°C	
Temperature Uniformity±1.0°C	
Illumination Intensity0–30,000 LUX (Adjustable)	
Volume250L	
Load Per Rack15kg	
Shelf Quantity4 adjustable illumination plates	
CompressorImported, air-cooled, sealed, R134a refrigerant.	
ControllerTouchscreen with 30-segment programming.	
Full-Spectrum LED Light SourceAdjustable up to 30,000 LUX with programmable temperature and illumination.	

Applications

- **Plant growth and development.**
- **Seed germination experiments.**
- **Plant and small animal breeding.**
- **Insect cultivation.**
- **Bacterial culture.**
- **Fermentation studies.**
- General experiments requiring constant temperature and lighting.

Standard Accessories Included

- Light barrier, shelves, USB interface.

Optional Accessories

- Printer, wireless SMS alarms, CO2 concentration control systems.