Semi-Automated Microplate Heat Sealer, 80-200°C ±1°C, Motorized Drawer, PCR Plates

Model **MSSLM-P1000SWISS** | Brand **Master Science**





The Semi-Automated Microplate Heat Sealer seals ELISA, cell culture, PCR and deep-well plates with heat seal film to store samples, stop evaporation and reduce contamination. A plate sensing system applies uniform force, so heat transfers evenly to the sealing surface on both low PCR plates and tall deep-well plates.

KEY HIGHLIGHTS

- Even Seals on Any Plate
- Operator Safety
- Lower Energy Use
- Wide Film Compatibility

AT A GLANCE

±1°C
TEMPERATURE ACCURACY

OFF, 80-200°C in 1°C steps
SEALING TEMPERATURE

Reaches 170°C in 300 s
HEATING SPEED

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

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Overview

Sealing temperature is set from 80°C to 200°C in 1°C steps with ±1°C accuracy and uniformity, and sealing time from 0.5 to 10 s in 0.1 s steps. The Semi-Automated Microplate Heat Sealer has a motorized drawer that reverses automatically if a hand or object is caught, an OLED display and an automatic power-saving mode.

For low-volume work with a lever-operated design, see our Manual Microplate Heat Sealer, the companion of the Semi-Automated Microplate Heat Sealer.

Busy plate-handling labs run into the issues below. The Semi-Automated Microplate Heat Sealer answers each one.

Key Benefits

Even Seals on Any Plate
Plate sensing applies uniform force on PCR and deep-well plates alike.

Operator Safety
The drawer motor reverses automatically if a hand or object is in the way.

Lower Energy Use
The unit drops to 60°C after 60 min idle and switches off heating after 120 min.

Wide Film Compatibility
Works with foil laminates, clear laminates and clear polymer films.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSSLM-P1000SWISS
SKU	MSSLM-P1000SWISS
Display	OLED
Sealing Temperature	OFF, 80-200°C in 1°C steps
Temperature Accuracy	**±1°C**
Temperature Uniformity	±1°C
Sealing Time	0.5-10 s in 0.1 s steps
Heating Speed	Reaches 170°C in 300 s
Plate Height	9-48 mm
Compatible Plate Materials	PP, PS, PE
Compatible Plate Types	Standard assay plates; deep-well storage plates; skirted, semi-skirted and non-skirted PCR plates
Compatible Sealing Films	Foil-polypropylene laminate; clear polyester-polypropylene laminate; clear polymer; thin clear polymer
Drawer	Motorized, auto-reverse on obstruction, detachable
Power Saving	Stand-by at 60 min idle (60°C); power-save at 120 min idle
Power	300 W
Dimensions (D × W × H)	370 × 178 × 330 mm
Weight	11.46 kg

PROBLEMS THE SEMI-AUTOMATED MICROPLATE HEAT SEALER SOLVES

Uneven seals on tall deep-well plates	Plate sensing applies uniform force on every plate height from 9 to 48 mm.
Pinch risk from moving drawers	The drawer motor reverses automatically when obstructed.
Heater left on all day	Stand-by and power-save modes cut energy use when idle.
Limited film choice	Foil, clear laminate and clear polymer films are supported.

Applications

Sealing PCR plates (skirted, semi-skirted, non-skirted)

Sealing deep-well storage plates for long-term storage

Sealing standard assay, ELISA and cell culture plates

Preventing evaporation in colorimetric and fluorescence assays

Sealing Performance

- 80-200°C in 1°C steps, ±1°C accuracy and uniformity
- Sealing time 0.5-10 s in 0.1 s steps
- Rapid heating to 170°C in 300 s
- Plate sensing system for uniform force

Safety and Design

- Motorized drawer with automatic reverse
- Detachable drawer
- OLED display with knob control

Power Management

- Stand-by mode after 60 min idle, temperature held at 60°C
- Power-save mode after 120 min idle, display and heater off
- Wake by pressing any button

Standard Accessories Included

- Semi-automated microplate heat sealer main unit

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.