

AXYGEN

Platemax

SEMI-AUTOMATIC PLATE SEALER



- *Accepts a wide range of microplates and heat seals*
- *User-friendly control system*
- *Large digital display shows all operating parameters*
- *Adjustable sealing temperature: 100°C to 190°C*
- *No-heat setting for pressure sealing applications*
- *Precise temperature, timing and pressure for consistent sealing*
- *Compact footprint: only 6.75 x 12.75 inches*



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Genuine
AXYGEN
Quality

Platemax[®]

SEMI-AUTOMATIC PLATE SEALER

Genuine
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Axygen's new PlateMax Semi-Automatic Plate Sealer is ideal for the low-to-medium throughput laboratory that requires uniform and consistent sealing of microplates. Offering complete versatility, the PlateMax sealer will accept a full range of plates for PCR, assay or storage applications. It can be used to seal a wide range of plate heights. Sealing parameters are set and displayed via the user-friendly control panel and the sealing operation is automated to ensure consistent results.

CONTROLS AND OPERATION

The PlateMax Sealer control system features an intuitive layout and allows optimal settings for all types of plates and sealing materials. The Mode button selects Sealing Time or Temperature and the knob adjusts the setting. Temperature can be precisely set in increments of 1.0°C and time in increments of 0.1 seconds. The PlateMax sealer also features a "No Heat" setting for pressure sealing applications.



Simple 3-Step Operation

1. Set time and temperature.
2. Place a microplate in the open drawer.
3. Place a heat seal on top of the plate and press the "SEAL" button.

VERSATILITY AND CONVENIENCE

The PlateMax Sealer accepts a wide variety of plate types and heights. An aluminum adapter is used for PCR and standard assay plates. The motorized heated platen adjusts automatically for different height plates and provides uniform pressure to ensure a quality seal. The platen incorporates a special non-stick coating. Cleaning is easy via the side access door.

SAFETY

The PlateMax Sealer has been designed with safety in mind. The internal heating elements are situated inside the instrument casing and an internal safety door prevents access to the heated area. In addition, the motorized drawer features safety switches – if a hand or object obstructs the closing drawer, the drawer motor will reverse. This feature protects both the user and the instrument.

SPECIFICATIONS

Dimensions (WxDxH):	6.75 x 12.75 x 14.25 in. / 171 x 324 x 362 mm
Weight:	27 Lbs/12 Kg
Sealing Temperature:	OFF, 100° to 190° C (increments of 1.0°)
Temperature Accuracy:	+/- 1.0° C
Temperature Uniformity:	+/- 1.0° C
Sealing Time:	0.5 to 10 sec. (increments of 0.1 sec)
Compatible Plate Materials:	PP (Polypropylene) PS (Polystyrene) PE (Polyethylene)
Compatible Plate Types:	Standard Assay Plates Deep-Well Storage Plates PCR Plates: skirted, semi-skirted, non-skirted
Maximum plate height:	45mm
Compatible Sealing Film Types:	Foil-polypropylene laminate Clear polyester-polypropylene laminate Clear polymer Thin clear polymer Foil-laminate Foil

HS-PCR-ADAPTER

The versatile two-sided adapter provides support for both 96-well and 384-well PCR plates during sealing for optimal results. This adapter is compatible with most non-skirted, semi-skirted and full skirted PCR plates.



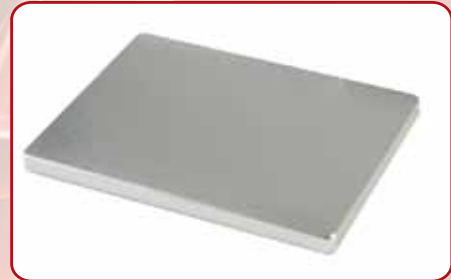
96 well side of PCR adapter



384 well side of PCR adapter

HS-FLT-ADAPTER

This adapter is for flexible plates that need additional support.



SEAL FRAME

The Seal Frame is designed to hold films in place during the sealing process. Due to the weight and the nature of sealing films, they are highly prone to curling and movement.

1. Open drawer and insert plate.



2. Place Sealing Film on plate.



3. Place Seal Frame on Sealing Film.



4. Seal.





HS-1120

NEW PlateMax Semi Automated Plate Sealer, 120V
Includes adapters for standard and deepwell microplates



HS-1230

NEW PlateMax Semi Automated Plate Sealer, 230V
Includes adapters for standard and deepwell microplates



HS-PCR-ADAPTER

PlateMax Two-Sided Assay and PCR Plate Adapter



HS-FLT-ADAPTER

PlateMax Assay and Storage Plate Adapter



HS-100-QPCR

PlateMax UltraClear permanent heat sealing film for qPCR
100 films/unit, 5 units/case



HS-200

PlateMax peelable heat sealing film for low temperature
compound storage and PCR
100 films/unit, 5 units/case



HS-150-QPCR

PlateMax UltraClear peelable heat sealing film for qPCR
100 films/unit, 5 units/case



HS-300

PlateMax pierceable aluminum heat sealing film for storage
applications
100 films/unit, 5 units/case



HS-400

PlateMax peelable heat sealing film for compound storage
100 films/unit, 5 units/case



MF-111

PlateMax easy-to-pierce heat sealing film
100 films/unit, 10 units per case



MF-300

PlateMax peelable heat sealing film with paper backing for
general storage and PCR applications
100 films/unit, 1 unit per case