

AccuSeal™ Semi Automated Plate Sealer

CE
CSA Compliant

Labnet's new AccuSeal semi automated plate sealer is ideal for the low to medium throughput laboratory that requires uniform and consistent sealing of microplates. Offering complete versatility, the AccuSeal will accept a full range of plates for PCR, assay or storage applications, and can be used for standard height to deep well plates. Operation is easy. Sealing parameters are set and displayed via the user-friendly control panel, and the sealing operation is automated to guarantee consistent results.

Controls and Operation:

The AccuSeal's control system allows optimal settings for all types of plates and sealing material. Sealing time (in 0.1 second increments), and sealing temperature (in 1.0°C increments) can be accurately set using the control knob.

Operation is simple: Place a microplate with a sealing film onto the drawer. Press the "SEAL" button and the motorized drawer will automatically close, the heated sealing platen will press down on the seal, and then the drawer will open to present the sealed plate.

Versatility and Convenience:

Labnet's AccuSeal can accept a variety of plate heights – the AccuSeal adapter is used for assay plates and PCR plates. The motorized heated platen adjusts automatically for different height plates, and provides uniform pressure to ensure a quality seal.



SPECIFICATIONS

Dimensions (W x D x H)	6.75 x 12.75 x 14.25 in/17.1 x 32.4 x 36.2 cm
Weight	27 lbs / 12 kg
Sealing Temperature	OFF, 100 °C to 190°C, (increments of 1.0°C)
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 Plates, PCR Plates
Maximum Plate Height	45mm

CAT NO.	DESCRIPTION
PS1000*	AccuSeal Semi Automated Plate Sealer, includes adapters for standard and deepwell microplates, 120V
PS1000-PCR	Accuseal Adapter for sealing assay and PCR plates
PS1000-ADAPT	Accuseal Adaptor for sealing assay plates and plates needing more support

*To order 230V units add -230V to the end of the catalog number. 230V units includes EU and UK cords.

AccuSeal™ Heat Sealing Films

Labnet offers a full range of heat sealing films optimized for use in the Accuseal plate sealer. Please utilize the following guide to find out which film is best for your application.

PS1000-GP300	Easy to use, paper backed general purpose film is peelable and good for low temperature compound storage and PCR plates	100 films/case
PS1000-100	Clear polyester backed film forms a weld seal to PP microplates. Good optical characteristics make it suitable for QPCR	100 films/unit 5 units/case
PS1000-150	Clear polyester backed film forms a peelable seal to PP, PS and COC microplates. Good optical characteristics make it suitable for QPCR	100 films/unit 5 units/case
PS1000-200	Peelable film is ideal for PP and COC microplates. It can be peeled directly from the freezer. Provides a good barrier resistance to aqueous solutions and moderate resistance to solvents at room temperature.	100 films/unit 5 units/case
PS1000-300	Forms a weld seal to PE plates. Good for low temperature compound storage and PCR. Aluminum foil film ideal for use with PP plates. It is a very strong pierce seal that provides a high degree of sample protection and good solvent resistance to DMSO when stored at room temperature or below.	100 films/unit 5 units/case
PS1000-400	Peelable film good for PP and COC microplates. Can be peeled directly from the freezer. Ideal for low and room temperature compound storage. Forms a weld seal to PE plates. Good barrier resistance to aqueous solutions and solvents especially DMSO at room temperature or below.	100 films/case 5 units/case

Recommended sealing temperature and time for all PP microplates is 175°C and 3 seconds. Time and temperature can vary depending upon combination of film and microplates being utilized.

