

AccuSeal™ Semi-automated Plate Sealer

Labnet's 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 generate 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) COC (Cyclic olefin copolymer)
Compatible Plate Types	Standard assay plates, deep well plates, PCR plates
Maximum Plate Height	1.77 in. (45 mm)



Ordering Information

Cat. No.	Description
PS1000	AccuSeal semi-automated plate sealer, includes adapters for standard and deep well microplates, 120V
PS1000-230V	AccuSeal semi-automated plate sealer, includes adapters for standard and deep well microplates, 230V

Accessories

Cat. No.	Description
PS1000-PCR	AccuSeal Adapter for sealing assay plates and PCR plates
PS1000-ADAPT	AccuSeal Adapter for sealing assay plates and plates needing more support

AccuSeal™ Heat Sealing Films

Cat. No.	Description	Films/Unit	Units/Cs
PS1000-GP300	Paper backed general purpose film is easy to use, peelable, and good for low temperature compound storage and PCR plates.	100	1
PS1000-100	Clear polyester backed film forms a weld seal to PP microplates. Good optical characteristics make it suitable for QPCR.	100	5
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	5
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	5
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	5
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	5



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.