



PRODUCT BROCHURE · BENCHMARK SCIENTIFIC

MS1000 SmartSeal pg. 1 2

7 models inside · Life Science · Microplate Readers



QUICK VIEW — SERIES AT A GLANCE

7 models in this document from Benchmark Scientific. Full specifications inside.

MODELS IN THIS DOCUMENT

MS1000-F2 · MS1000-F1 · MS1000-PCR3 ·
MS1000-PCR2 · MS1000-E · MS1000...

SHIP WEIGHT

17–21 lb

VOLTAGE

AC 100–120 V, 50/60 Hz (115 V plug)

SOURCING

Authorized U.S. distributor

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SMARTSEAL™

Semi-Automated Thermal Plate Sealer



Microplate Heat Sealer

- **Fast, reproducible sealing of well plates**
- **Adjustable time, temperature and pressure for optimized sealing**
- **User friendly controls: load plate and press “RUN” to seal**
- **Accepts a wide range of plate types and heights, including deep well storage plates, assay plates, PCR plates, etc.**

As easy as 1, 2, 3...

1 Load plate and seal

Once the set temperature has been reached, place the plate and film in the drawer.

2 Close Drawer

Press the **PLATE** button to close the drawer

3 Press RUN

Press the **RUN** button to seal the plate!

The Accuris SmartSeal™ Semi-Automated Thermal Plate Sealer provides fast and reliable sealing of microplates. Complete, uniform sealing of all wells eliminates evaporation during processing, and ensures the protection of delicate samples during storage.

All parameters, including time, temperature, and pressure, are digitally controlled to provide consistent sealing from plate to plate. A variety of thermal films can be accommodated, including thin foil films. Simply load the plate and film in the drawer, press the "RUN" button and the SmartSeal does the rest. The drawer opens with a perfectly sealed plate in just a few seconds.

The SmartSeal is supplied with adapters to support nearly any microplate up to 48mm tall, including assay and PCR plates. To conserve energy, the unit will enter sleep mode if left idle.

With fast processing and recovery times, the SmartSeal is a time-saving solution for labs and production facilities requiring high-quality, consistent plate sealing.

Compatible with:

- Deep well (storage) plates up to 48mm tall
- Assay plates
- PCR plates (skirted, semi-skirted and non-skirted)
- Polypropylene, polystyrene or polyethylene plates
- Foil or polymer (transparent) sealing films

Specifications:

Temperature Range:	80°C to 200°C
Temperature Accuracy:	1°C
Sealing Time:	0.5 sec. to 10 sec. (0.1 sec increments)
Max. Plate Height:	48mm
Dimensions:	7 x 14.6 x 13 in 17.8 x 37 x 33 cm
Weight:	21 lbs / 9.5 kg
Electrical:	115V or 230V, 50-60Hz, 300W

Ordering Information:

MS1000	SmartSeal Semi-Automated Thermal Plate Sealer, 115V
MS1000-E	SmartSeal Semi-Automated Thermal Plate Sealer, 230V

MS1000-F1	Foil sealing film, PEELABLE, for PP plates, 100/pk
MS1000-F2	Foil sealing film, STRONG BONDING for cold storage (-200°C to 110°C) and DMSO, for PP plates, 100/pk
MS1000-PCR1	Optically clear sealing film for qPCR, PEELABLE for most plate types, PP, PC, PE, etc., 100/pk
MS1000-PCR2	Optically clear sealing film for qPCR, STRONG BONDING for PP plates, 100/pk
MS1000-PCR3	Optically clear sealing film for qPCR, PIERCEABLE for most plate types, PP, PC, PE, etc., 100/pk

