

Thermo Scientific Seal-It 100™ Automated Adhesive Sealer

The Thermo Scientific Seal-It 100 automated adhesive sealer is highly robust and reliable and, while designed for optimal robotic integration in high throughput environments, the instrument allows manual, bench top control. A selection of adhesive seals provides flexibility for diverse application needs.



Application Flexibility. The Thermo Scientific Seal-It 100 automated adhesive sealer enables heat-free sealing of crystallography plates and breathable seal application, with additional options for optically clear and pierceable sealing needs. Adhesive seals for PCR, QPCR and crystallography can be removed without leaving sticky residue on the plates and wells. With five plate adapters, seal 96-, 384- and 1536-well plates, including PCR plates and plates with heights from 10 mm to 50 mm.

Operation Options. The Seal-It 100 sealer is equipped with both on-board touch screen operation for bench top use and an RS232 port and included programming parameters for robotic integration.

Accuracy and Efficiency. Sealing pressure may be adjusted for optimal seal integrity and accuracy of +/- 0.25 mm, assuring a quality seal every time. Achieve throughput of 150 plates per hour with minimal user intervention and plan ahead for seal replacement with low level sealing material indicators.

Knowledgeable Support. Our team has a strong reputation for supporting both equipment and consumables, and can demonstrate the Seal-It 100 sealer in your laboratory, as well as determine which seal is best for your application.

Thermo Scientific Seal-It 100 Automated Adhesive Sealer

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| Dimensions (W x D x H) | 23.5"/594 mm x 17.1"/433 mm x 14.6"/370 mm |
| Weight | 61.7 lbs/28 kg |
| Power Supply | 110-220 V AC, 50-60 Hz |
| Fuse | 5 A, anti-surge |
| Plate Sealing Height | 10 mm-50 mm |
| Sealing Time | Approx. 24 seconds |
| Operating Temperature Range | 15 °C to 40 °C |
| Operating Humidity Range | 10-80% |
| Air Requirement | 60 liters per minute |
| Air Input | 6 mm or 0.25" BSP female thread |
| Air Input Pressure | 6.0 Bar (87 PSI) |

Seals

| Item No. | Description | Characteristics | Seal Integrity Range | Applications | Approximate No. Plates per Roll |
|----------|------------------------------------|--|----------------------|---|---------------------------------|
| AB-2170 | ABsolute™ QPCR Seal Roll | Optically clear, peelable with no sticky residue left on plate | -40 °C to 120 °C | Ideal for fluorescence applications such as QPCR | 1900 |
| AB-2450 | Adhesive Crystallography Seal Roll | Optically clear, peelable with no sticky residue left on plate | -70 °C to 110 °C | Ideal for crystallography and genotyping | 1900 |
| AB-2558 | Adhesive PCR Film Roll | Strong adhesive, peelable with no sticky residue left on plate | -20 °C to 120 °C | Suitable for sample storage; thermal cycling with screw-down or clip-down lid | 750 |
| AB-2626 | Adhesive PCR Foil Roll | Strong adhesive, peelable, able to be pierced with pipette tip | -70 °C to 150 °C | Suitable for sample storage; thermal cycling with screw-down or clip-down lid | 1525 |
| AB-2718 | Gas Permeable Adhesive Seal Roll | Sterile, other adhesive seals can be applied over it | -30 °C to 120 °C | Well suited for venting and storing bacterial or cell cultures | 1150 |

Ordering Guide

| Item No. | Description | Qty |
|----------|---|--------|
| AB-1350 | Seal-It 100 Automated Adhesive Sealer | Each |
| AB-1233 | 384-Well PCR Plate Carrier | Each |
| AB-1234 | 96-Well PCR Plate Carrier | Each |
| AB-1237 | 384-Well Storage Plate Carrier | Each |
| AB-1238 | Low Profile Crystallography Plate Carrier | Each |
| AB-1239 | Crystallography Plate Carrier | Each |
| AB-2170 | ABsolute QPCR Seal Roll, 80 mm x 250 m | 1 roll |
| AB-2450 | Adhesive Crystallography Seal Roll, 80 mm x 250 m | 1 roll |
| AB-2558 | Adhesive PCR Film Roll, 80 mm x 100 m | 1 roll |
| AB-2626 | Adhesive PCR Foil Roll, 80 mm x 200 m | 1 roll |
| AB-2718 | Gas Permeable Adhesive Seal Roll, 80 mm x 150 m | 1 roll |

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