Agilent PlateLoc Thermal Microplate Sealer
# Specifications

<table>
<thead>
<tr>
<th>Certification</th>
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<tbody>
<tr>
<td>EU</td>
<td>CE Marking</td>
</tr>
<tr>
<td>Canada, USA NRTL</td>
<td>cCSAus</td>
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<tr>
<td>Australia</td>
<td>RCM</td>
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<tr>
<td>Korea</td>
<td>KC</td>
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| Microplate height | Up to 51 mm (2") |

## Computer/software requirements

<table>
<thead>
<tr>
<th>Host computer</th>
<th>Windows 7 or Windows 10 64-bit operating system (not required for manual operation)</th>
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<tbody>
<tr>
<td>Software</td>
<td>Agilent VWorks Automation Control Software when part of an Agilent Workstation (VWorks software is not included with stand-alone instrument purchase). ActiveX CD to facilitate integration with third-party automation control software (included).</td>
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| Interface     | RS-232 Serial Port with DB9 connector |

## Dimensions/weight

- **Height**: 58.4 cm (23")
- **Width**: 21.6 cm (8.5")
- **Depth**: 39.9 cm (15.7")
- **Weight**: 20 kg (45 lbs)

## Heat Seal

- Clear and aluminum seal rolls, pierceable and peelable options.
- More information can be found in the PlateLoc Thermal Microplate Sealer Consumable Selection Guide (5990-3659EN).

## Labware compatibility

### Microplates

- Meets ANSI/SBS 1-2004 through ANSI/SBS 4-2004 standard and are thermal sealing compatible (raised sample well rims). Skirtless and half-skirt PCR plates require additional Agilent PCR Plate Support, 96 Well.

## Operating requirements

### Air

- 70.8 Lpm at 0.62–0.69 MPa (2.50 cfm at 90–100 psi)

### Electrical

- Operating AC current (typical)
  - 100–120 VAC, 50/60 Hz
  - 200–240 VAC, 50/60 Hz
- Current (maximum)
  - 4 A/120 V
  - 2.5 A/240 V

### Environment

- 4–40 °C; 10–90 % RH, non-condensing, Pollution degree 2; Installation Cat. II

## Performance

### Cycle time

- Approximately 8 seconds per plate

### Warm-up time

- 25 °C to 200 °C at 115 V (230 V) in less than 5 minutes (temperature set to 200 °C)

### Cool-down time

- 90 Minutes (from 160 °C to comfortable touch temperature)

### Sealing temperature

- 30 to 200 °C

## Sealing technology

- Thermal, roll fed
- Not designed for manual, individual cut sheet heat sealing
- Not compatible with pressure sensitive adhesive (PSA)-based sealing films

## Warranty

- 12-Month instrument warranty - See Terms of Sale document

## What's in the box

- PlateLoc Thermal Microplate Sealer
- One full roll of heat seal
- Set of four Microplate Support Inserts
- Air Connection Kit
- RS-232 DB9 Serial Cable
- Power cord
- PlateLoc User Guide
- USB to Serial Converter (RS-232 DB9 to USB-A)