Thank you for purchasing an Agilent G5585B **PlateLoc Thermal Microplate Sealer**. To get you started and to assure a successful and timely installation, please refer to this specification or set of requirements.

Correct site preparation is the key first step in ensuring that your instruments and software systems operate reliably over an extended lifetime. This document is an **information guide AND checklist** prepared for you that outlines the supplies, consumables, space and utility requirements for your equipment.

**Customer Responsibilities**

Make sure your site meets the following specifications before the installation date. For details, see specific sections within this checklist, including:

- The necessary laboratory or bench space is available
- The environmental conditions for the lab as well as laboratory gases and plumbing
- The power requirements related to the product (e.g., number & location of electrical outlets)
- The required operating supplies necessary for the product and installation
- Please consult Other Requirements section below for other product-specific information.
- For more details, see
  - G5585B PlateLoc Thermal Microplate Sealer User Guide (part number G5051-90002)
  - G5585B PlateLoc Thermal Microplate Sealer Quick Start (part number G5051-90001)

**Important Customer Information**

1. If you have questions or problems in providing anything described as a Customer Responsibility above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.
2. Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.
3. Other optional services such as additional training, operational qualification (OQ) and consultation for user-specific applications may also be provided at the time of installation when ordered with the system, but should be contracted separately.

If Agilent is delivering installation and familiarization services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.
Dimensions and Weight

Identify the laboratory bench space before your system arrives based on the following figure and table. Pay special attention to the total height and total weight requirements for all system components you have ordered and avoid bench space with overhanging shelves. Also pay special attention to the total weight of the modules you have ordered to ensure your laboratory bench can support this weight.

Special Notes
In addition to the dimensions of the PlateLoc, you should plan space for the computer workstation, if applicable.

<table>
<thead>
<tr>
<th>Instrument Description</th>
<th>Weight</th>
<th>Height</th>
<th>Depth</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Kg</td>
<td>cm</td>
<td>in</td>
<td>cm</td>
</tr>
<tr>
<td>G5585B PlateLoc (with door open and roll of seal)</td>
<td>20.0</td>
<td>58.4</td>
<td>39.9</td>
<td>21.6</td>
</tr>
</tbody>
</table>
Environmental Conditions

Operating your instrument within the recommended temperature ranges ensures optimum instrument performance and lifetime.

Special Notes
1. Performance can be affected by sources of heat & cold e.g. direct sunlight, heating/cooling from air conditioning outlets, drafts and/or vibrations.
2. The PlateLoc is for indoor use only.

<table>
<thead>
<tr>
<th>Instrument Description</th>
<th>Operating temperature range °C (°F)</th>
<th>Operating humidity range (%)</th>
<th>Pollution degree</th>
<th>Installation category</th>
</tr>
</thead>
<tbody>
<tr>
<td>G5585B PlateLoc</td>
<td>4–40 °C (39–104 °F)</td>
<td>10–90% RH, non-condensing</td>
<td>2</td>
<td>II</td>
</tr>
</tbody>
</table>

Power Consumption

Special Notes
1. If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
2. Mains supply voltage fluctuations are not to exceed ±10% of the nominal supply voltage.

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Line Voltage &amp; Frequency (V, Hz)</th>
<th>Current (maximum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G5585B PlateLoc</td>
<td>100-120 VAC @ 50/60 Hz</td>
<td>4 A at 120 V~</td>
</tr>
<tr>
<td>G5585B PlateLoc</td>
<td>200-240 VAC @ 50/60 Hz</td>
<td>2.5 A at 240 V~</td>
</tr>
</tbody>
</table>
Required Operating Supplies by Customer

Special Notes

1. For information on Agilent consumables, parts, accessories and laboratory operating supplies, please visit [http://www.agilent.com/chem/supplies](http://www.agilent.com/chem/supplies)
   Or contact your sales person and or your technical support team.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Vendor’s Part Number (if applicable)</th>
<th>Recommended Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat seal</td>
<td>Agilent</td>
<td>varies</td>
</tr>
</tbody>
</table>


Also see the [Agilent PlateLoc Thermal Microplate Sealer Consumables Guide](http://www.agilent.com/chem/supplies).

Other Requirements

Compressed air requirements
The PlateLoc device requires the use of clean, dry, compressed air to move pneumatic components inside the device. The compressed air can be from any of the following sources:

- Centralized source (house)
- Compressed-air cylinders
- Portable Compressors

**CAUTION:** Using oil compressors can cause introduce oil into the PlateLoc and void your warranty.
To maintain the desired air supply in the device, the PlateLoc requires a source of air as follows:

**Compressed air requirements for Standard PlateLoc**

<table>
<thead>
<tr>
<th>Air requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quality</td>
<td>Clean, dry, oil free</td>
</tr>
<tr>
<td>Flow rate</td>
<td>125-135 Lpm (4.50 cfm)</td>
</tr>
<tr>
<td>Pressure</td>
<td>0.62-0.69 MPa (90-100 psi)</td>
</tr>
</tbody>
</table>

**CAUTION**: Air pressure greater than 0.69 MPa (100 psi) can damage the PlateLoc.

**Argon source requirements for Gas-Purging PlateLoc**

<table>
<thead>
<tr>
<th>Air requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quality</td>
<td>99.9% pure, welding grade, containing up to 1 ppb water</td>
</tr>
<tr>
<td></td>
<td>NOTE: The water content is more important than the gas grade.</td>
</tr>
<tr>
<td>Pressure</td>
<td>0.28 MPa (40 psi)</td>
</tr>
</tbody>
</table>

**Computer Requirements**

As a standalone device, you can use the touchscreen to operate the PlateLoc without connecting the device to a computer.

As a device integrated in an automation workstation, you connect the PlateLoc to a computer running the automation control software, such as the VWorks software. The computer requirements depend on the lab automation software.
Important Customer Web Links

- For additional information about Agilent automation solutions, please visit our web site at http://www.agilent.com/en-us/products/automation-solutions
- Need to get information on your product?
- Need technical support? www.agilent.com/crosslab

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