

## Agilent CrossLab Start Up Services

# Agilent G5585B PlateLoc Thermal Microplate Sealer Site Preparation Checklist

Thank you for purchasing an Agilent G5585B PlateLoc Thermal Microplate Sealer. CrossLab Start Up is focused on helping customers shorten the time it takes to start realizing the full value of their instrument investment.

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, space, and utility requirements for the system set up in your lab.

## Introduction

### Customer Information

- If you have questions or problems in providing anything described as part of *Customer Responsibilities* below, 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.
- Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-schedule any services that have been purchased.
- 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.
- Please refer to the other peripheral products (ie, sampling devices, etc.) for site preparation requirements.

## Customer Responsibilities

Ensure that 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 required **environmental conditions for the lab** as well as laboratory gases, plumbing and extraction.
- The **power requirements** related to the product (e.g. **number & location** of electrical outlets).
- The **required operating supplies** necessary for the product and installation.
- While Agilent is delivering **Installation and Introduction** services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.
- Please consult the **Special Requirements and Other Considerations** section below for other product-specific information
- For more details, see:
  - [G5585B PlateLoc Thermal Microplate Sealer User Guide](#)
  - [G5585B PlateLoc Thermal Microplate Sealer Quick Start Guide](#)

## Important Customer Web Links

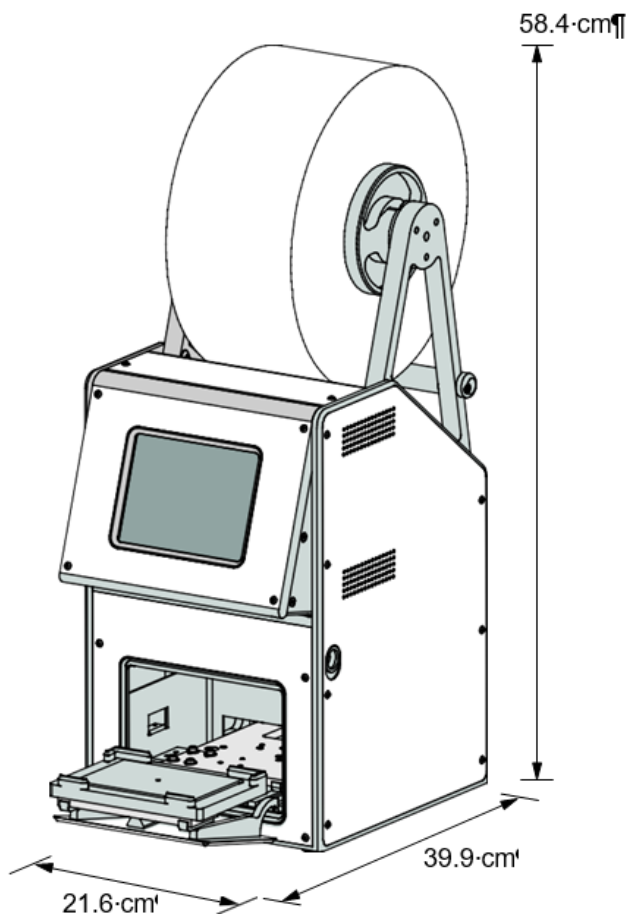
- To access **Agilent University**, visit <http://www.agilent.com/crosslab/university/> to learn about training options, which include online, classroom and onsite delivery. A training specialist can work directly with you to help determine your best options.
- To access the **Agilent Resource Center** web page, visit <https://www.agilent.com/en-us/agilentresources>. The following information topics are available:
  - Sample Prep and Containment
  - Chemical Standards
  - Analysis
  - Service and Support
  - Application Workflows
- The **Agilent Community** is an excellent place to get answers, collaborate with others about applications and Agilent products, and find in-depth documents and videos relevant to Agilent technologies. Visit <https://community.agilent.com/welcome>
- Videos about specific preparation requirements for your instrument can be found by searching the **Agilent YouTube** channel at <https://www.youtube.com/user/agilent>
- **Need to place a service call?** [Flexible Repair Options | Agilent](#)

## Site Preparation

### Dimensions and Weight

Identify the laboratory bench space before your instrument arrives based on the following 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 Sealer, you should plan space for the computer workstation, if applicable.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs.	cm	in	cm	in	cm	in
G5585B PlateLoc (with door open and roll of seal)	20.0	45.0	58.4	23.0	39.9	15.7	21.6	8.5

## Environmental Conditions

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

### Special notes

- Performance can be affected by sources of heat & cold, e.g. direct sunlight, heating/cooling from air conditioning outlets, drafts and/or vibrations.
- The bench or supporting surface must be vibration free.
- The laboratory’s ambient temperature conditions must be stable for optimum performance.

The following table may help you calculate the additional BTUs of heat dissipation from this new equipment. Maximums represent the heat given off when heated zones are set for maximum temperatures.

Instrument Description	Operating Temperature Range °C (F)	Operating Humidity Range %	Heat Dissipation BTU
G5585B PlateLoc Sealer	4-40 °C (39-104 °F)	10-90% RH, non-condensing	511.5

## Exhaust Venting Requirements

Not applicable

## Power Consumption

### Special notes

- If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
- Main supply voltage fluctuations are not to exceed  $\pm 10\%$  of the normal supply voltage.

Instrument Description	Line Voltage and Frequency V, Hz	Maximum Power Consumption VA	Maximum Power Consumption W
G5585B PlateLoc Sealer	100-120 VAC @ 50/60 Hz	480 VA	384
G5585B PlateLoc Sealer	200-240 VAC @ 50/60/Hz	600 VA	480

## Required Operating Supplies by Customer for Installation

### Special notes

- Download the Essential Chromatography and Spectroscopy Supplies Catalogs for a complete overview about available supplies for your new and existing Agilent Instruments  
<https://www.agilent.com/en-us/products/lab-supplies>

Item Description (including Dimensions etc.)	Vendor's Part Number (if applicable)	Recommended Quantity
Heat seal See <a href="#">our heat seal products</a> for more information	Agilent, varies	Varies

## Special Requirements and Other Considerations

### Compressed air requirements

The PlateLoc Sealer requires the use of clean, dry, compressed air in accordance with the ISO standard **ISO 8573-1:2010**, to move pneumatic components inside the device. The compressed air can be from any of the following sources, provided they meet the flow rate specification stated below:

- Centralized source (house)
- Portable compressors

**CAUTION** Using oil compressors can introduce oil into the PlateLoc Sealer and void your warranty.

To maintain the desired air supply in the device, the PlateLoc Sealer requires a source of air as follows:

Air requirement	Specification
Quality	Clean, dry, oil-free as defined in ISO 8573-1:2010 Class 1.4.1 (Class 1 Particulate; Class 4 Water; Class 1 Oil).
Flow rate	70.8 Lpm (2.50 cfm)
Pressure	0.62-0.69 MPa (90-100 psi)

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

### Compressed air requirements for gas-purging PlateLoc Sealers

Air requirement	Specification
Quality	99.9% pure, welding grade, containing up to 1 ppb water Note: The water content is more important than the gas grade.
Pressure	0.28 MPa (40 psi)

### Computer requirements

As a standalone device, you can use the touchscreen to operate the PlateLoc Sealer 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.



## Service Engineer Review (Optional)

### Service Engineer Comments

If the Service Engineer completed a review of the Site Preparation requirements with the customer, the Service Engineer should complete the following Comments section. Both the Service Engineer and the customer should complete the Site Verification section below.

If there are any specific points that should be noted as part of performing the site preparation review or other items of interest for the customer, please write in this box.

## Site Preparation Verification

Service Request Number:

Date of Review:

Service Engineer Name:

Customer Name:

Service Engineer Signature:

Customer Signature:

Total number of pages in this document: