

# Agilent G5581A Microplate Labeler

## Site Preparation Checklist



Thank you for purchasing an Agilent G5581A **Microplate Labeler**. 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.

## Introduction

### 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 environmental conditions for the site.
- The power requirements related to the product (e.g. number and location of electrical outlets).
- The required operating supplies necessary for the product and installation.
- The compressed-air requirements for this product. Please consult the Special Requirements section for specific information.
- 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.
- For more details, please consult the *Microplate Labeler User Guide* or *Microplate Labeler Quick Guide*.

## Customer Information

- 1 If you have questions or problems in providing anything described as a Customer Responsibility, please contact your local Agilent or partner support service organization for assistance before the scheduled installation. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your site.
- 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 extra training, compliance services and consultation for user-specific applications may also be provided at the time of installation. Please discuss with your Agilent Sales representative before the installation is scheduled.

## Important Customer Web Links

- For additional information about the Microplate Labeler:
  - o Agilent product page - <https://www.agilent.com/en/product/automated-liquid-handling/automated-microplate-management/microplate-barcode-labeler>
  - o VWorks Knowledge Base - <https://www.velocity11.com/techdocs/openingpage.html>
- Need technical support, FAQs, supplies? – visit our *Support Home page* at <http://www.agilent.com/search/support>
- Get answers. Share insights. Build connections:  
Join the *Agilent Community* at <https://community.agilent.com/welcome>

## Site Preparation

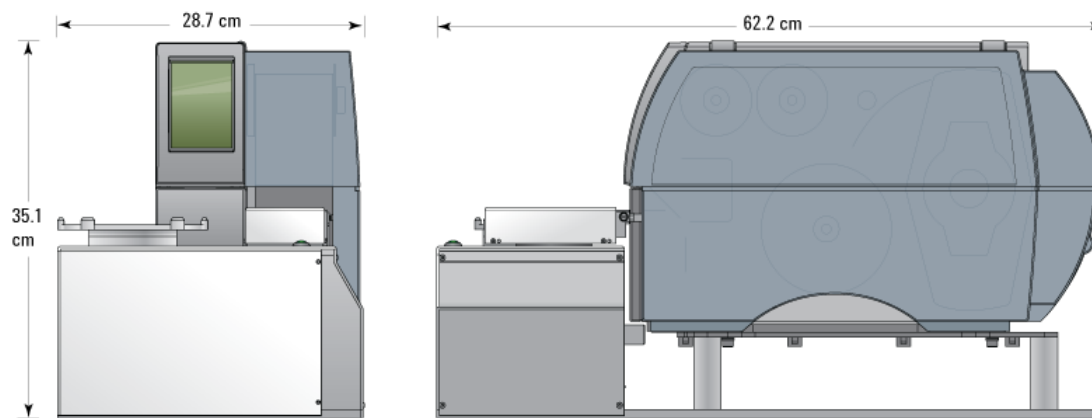
### Dimensions and Weight

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.

Figure. Microplate Labeler front and side views



Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
Microplate Labeler	21.0 Kg	47.0 lbs	35.1 cm	13.8 in	62.2 cm	24.5 in	28.7 cm	11.3 in
Microplate Labeler (with printer lid open)	21.0 Kg	47.0 lbs	48.8 cm	19.2 in	62.2 cm	24.5 in	28.7 cm	11.3 in

## 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 and cold, e.g., direct sunlight, heating/cooling from air conditioning outlets, drafts, and/or vibrations.
- 2 The laboratory's ambient temperature conditions must be stable for optimum performance.
- 3 The Microplate Labeler is for indoor use only.

Instrument Description	Operating Temperature Range °C (F)	Operating Humidity Range %	Pollution degree	Installation category
Microplate Labeler	5-40 °C	10- 90% RH, non-condensing	2	II

## Power Consumption

### Special notes

- 1 If a computer system is supplied with your instrument, be sure to account for those electrical outlets.

Instrument Description	Line Voltage and Frequency V, Hz	Maximum Power Consumption VA
Microplate Labeler	100–240 VAC @ 50/60 Hz	2.75 Amps

## Required Operating Supplies by Customer for Installation

Item Description (including Dimensions etc.)	Vendor's Part Number (if applicable)	Recommended Quantity
Media Kit: <input type="checkbox"/> Label roll adhesive labels <input type="checkbox"/> Ribbon roll to image one label roll <input type="checkbox"/> Used ribbon take-up spool for take-up hub <input type="checkbox"/> Print head cleaning pen (multiuse) <input type="checkbox"/> Media loading document (labeler only)	Agilent <a href="https://www.agilent.com/en/product/automated-liquid-handling/consumables-for-lab-automation/microplate-labels">https://www.agilent.com/en/product/automated-liquid-handling/consumables-for-lab-automation/microplate-labels</a>	Varies

## Special Requirements

### Compressed air requirements

The Microplate Labeler requires the use of clean, dry, compressed air to move pneumatic components inside the device. The compressed air can be from a centralized source (house), compressed-air cylinder, or portable compressor.

- Flow rate: 1.2 Lps (2.5 cfm)
- Pressure: 0.55 MPa (80 psi)

**CAUTION** Ensure that the air coming into the Microplate Labeler is properly filtered from moisture or aerosolized impurities. Significant moisture or impurities in the air line can adversely affect the performance and life of the Microplate Labeler. Using oil compressors can cause oil to leak into the Microplate Labeler and void your warranty.

## Computer requirements for automation systems

The Microplate Labeler requires automation control software to operate the device in protocol runs. You can use either of the following:

- Agilent VWorks Automation Control software
- Third-party automation software. If you plan to use third-party automation software, the Agilent Microplate Labeler ActiveX control is required to permit the software to interface with the device.

The computer requirements depend on the software version and type. For details, see the software release notes.