Agilent G5584A Labware MiniHub
Site Preparation Checklist

For Research Use Only. Not for use in diagnostic procedures.

Thank you for purchasing an Agilent G5584A **Labware MiniHub**. 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 the Laboratory Setup Requirements section in the **G5584A Labware MiniHub Safety and Installation Guide** (part number G5584-90004).

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.

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.

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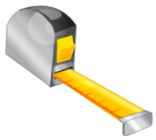


Dimensions and Weight

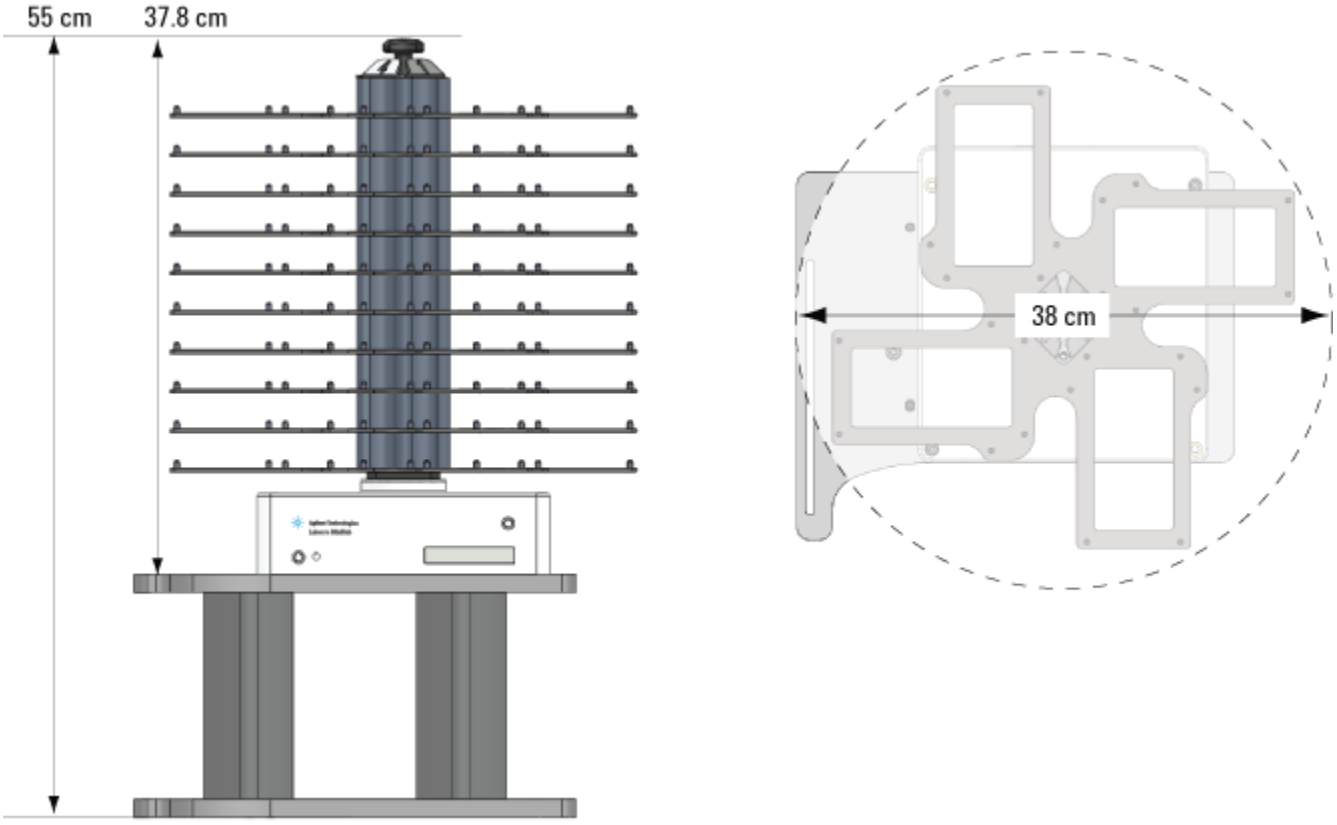
Identify the laboratory bench space before your system arrives based on the following figure and table.

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**.

Special Notes

1. The MiniHub must be installed vertically on a level, stiff surface that is stable. A deformable and non-stable support will greatly reduce the device speed and accuracy, and possibly cause errors.
2. The BenchCel Configuration is typically installed on a riser assembly, as the following figure shows. The Integration Configuration is mounted to the lab bench.
3. For base mounting and performance specifications, see the **G5584A Labware MiniHub Safety and Installation Guide** (part number G5584-90004).

Figure. Labware MiniHub Dimensions for the BenchCel Configuration on riser assembly



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Instrument Description	Weight		Height		Diameter	
	Kg	lbs	cm	in	cm	in
G5584A Labware MiniHub: - BenchCel Configuration Without riser assembly With riser assembly	10.8	23.9	37.8 55.0	14.9 21.7	38 38	15 15
- Integration Configuration						
BenchBot (13 shelves on 41-cm threaded rod)	11.6	25.6	48.6	19.1	33	13
Direct Drive Robot (DDR) (16 shelves on 41-cm threaded rod)	13.3	29.4	54.4	21.4	33	13

The following figure shows the MiniHub power supply, which is included:

- ❑ The length of the power supply cord is 1.82 m (6.0 ft.).
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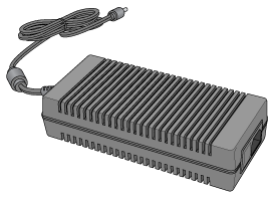

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Environmental Conditions

Operating your instrument within the recommended temperature ranges insures 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 site's ambient temperature conditions must be stable for optimum performance.
3. The Labware MiniHub is for indoor use only.

Instrument Description	Operating temp range °C (F)	Operating humidity range (%)	Pollution degree	Installation category
Labware MiniHub	4 to 40 °C	20% to 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.
2. The MiniHub uses a standard power supply (part number 0950-5725), which is included.

Instrument Description	Line Voltage & Frequency (V, Hz)	Maximum Power Consumption (VA)	Maximum Power Consumption (W)
Labware MiniHub	100 to 240 V~, 50/60 Hz	150 VA	130

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Required Operating Supplies by Customer

Special Notes

1. For information on Agilent consumables, accessories and laboratory operating supplies, please visit http://www.chem.agilent.com/en-US/Products/consumables/Pages/default.aspx

Item Description (including dimensions etc.)	Vendor's Part Number (if applicable)	Recommended Quantity
Extra shelves (optional): BenchCel Configuration (portrait) Integration Configuration (landscape and portrait)	 Agilent G5400-00036 Agilent G5508-00013	 10 13 (BenchBot) 16 (DDR)
Extra shelf spacers (optional): 25.1 mm 8.4 mm	 Agilent G5508-20014 Agilent G5508-20015	 As needed
Extra rod (optional): BenchCel Configuration (30 cm rod) Integration Configuration: BenchBot (41 cm rod) Integration Configuration: DDR (46.6 cm rod)	 Agilent G5508-20013 Agilent G5508-20016 Agilent G5508-20012	 As needed

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Other Requirements

Software requirements

The G5584A Labware MiniHub requires the following software versions at a minimum:

- ❑ Microsoft Windows 10 64-bit operating system
- ❑ VWorks Automation Control software v13.1 or VWorks ActiveX Controls v13.1

The requirements of the controlling computer depend on the lab automation software you are using. For VWorks software computer requirements, see the VWorks software release notes or the Automation Solutions Knowledge Base at http://www.agilent.com/chem/askb. For third-party automation software, see the user documentation supplied with the product.

Communications interface

The computer must have a dedicated 10BaseT or faster Ethernet card for connecting the MiniHub to a dedicated local area network (LAN). The Agilent- configured computer is already set up to communicate with the MiniHub. No change to the network card IP address is required.

If you are using a computer other than an Agilent-configured computer, make sure the value of the network card IP address and subnet mask are as follows:

- ❑ IP address: 192.168.0.1
- ❑ Subnet mask: 255.255.255.0

If your computer will be connected to your LAN, make sure the computer has a second network card. The second network card can have a dynamic IP address.

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?
    - VWorks Knowledge Base - http://www.agilent.com/chem/askb
    - Literature Library - http://www.agilent.com/en-us/library/literature
- ❑ Need to know more?
  Customer Education – http://www.chem.agilent.com/en-US/Training-Events/Pages/default.aspx
- ❑ Need technical support, FAQs? www.agilent.com/crosslab

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