

Agilent G5419A, G5429A, G5430A Direct Drive Robot-Site Preparation Checklist

Thank you for purchasing an Agilent **G5419A, G5429A, or G5430A Direct Drive Robot**. To get you started and to assure a successful and timely installation of your Agilent **software**, 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 prior specifications before the installation date. For details, see specific sections within this checklist, including:

- ☐ The necessary laboratory or bench space is available, and meets the specified requirements.
- ☐ 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, please consult the Agilent Direct Drive Robot Site Preparation and Safety Guide (part number G5430-90001).

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 table below.

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.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
Direct Drive Robot (DDR)	31.1 kg	68.5 lb	85.1 cm	33.5 in	38 cm	15 in	51 cm	20 in



Environmental Conditions

Operating your instrument within the recommended temperature ranges insures 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 site's ambient temperature conditions must be stable for optimum performance.

3. Instrument Description	Operating temp range °C (F)	Operating humidity range (%)	Pollution degree	Installation category
Direct Drive Robot (DDR)	4–40 °C	10–90% RH, non-condensing	2	II



Power Consumption

Special Notes

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

Instrument Description	Line Voltage & Frequency (V, Hz)	Maximum Power Consumption (VA)	Maximum Power Consumption (W)	Fuses
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Direct Drive Robot (DDR)	100–240 & 50/60	10 Amps	200 W typical	Mains. 2 x 10A, 250 V, time delay Logic power/switch 2A, 250 V, time delay Robot. 4A, 250 V, time delay Emergency stop pendant. 0.8A, 250 V, time delay
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Required Operating Supplies

Special Notes

For information on Agilent consumables, accessories and laboratory operating supplies, please visit <http://www.agilent.com/en-us/products/automation-solutions/microplate-management-robotics>

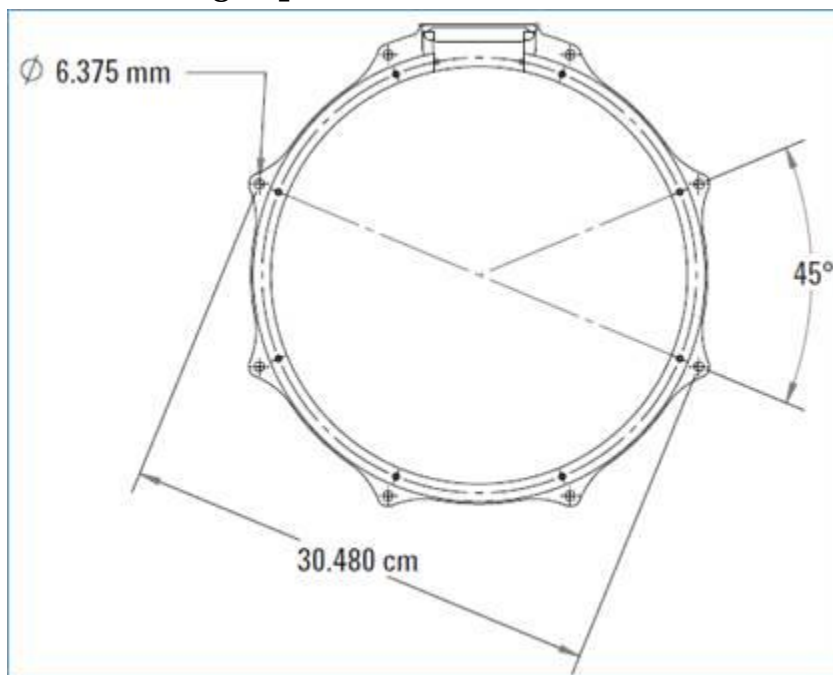
Item Description (including dimensions etc)	Vendor's Part Number (if applicable)	Recommended Quantity
Direct Drive Robot (DDR) Safety and Installation Guide	G5430-90001	1
Computer If your organization uses a computer other than one configured by Agilent Technologies, make sure the computer meets the minimum requirements described in the link below: Automation Solutions VWorks Knowledge Base - http://www.agilent.com/chem/askb		1
VWorks Automation Control software.		1

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Other Requirements

DDR mounting requirements



Requirement	Measurement
Bolt hole diameter	6.375 mm (0.261 in), through the base
Bolt type	M6
Number of bolts	8
Bolt circle diameter	30.480 cm (12.000 in)
Mounting base - height	0.952 cm (0.375 in)

Important Customer Web Links

- ☐ How to get information on your product:
 - ☐ Automation Solutions VWorks Knowledge Base - <http://www.agilent.com/chem/askb>
 - ☐ Literature Library - <http://www.agilent.com/en-us/library/literature>
- ☐ Need to know more? - <http://www.agilent.com/chem/education>
- ☐ Need technical support, FAQs? - www.agilent.com/crosslab
- ☐ Need supplies? - <http://www.agilent.com/en-us/products/automation-solutions/microplate-management-robotics>

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Document part number: G5411-90002