

Agilent GPC-FTIR Room Temp Interface– Site Preparation Checklist-G7814A

Thank you for purchasing an Agilent **instrument**. 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 for your site.

Customer Responsibilities

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

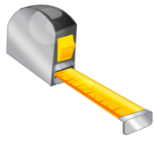
- The necessary laboratory or bench space is available
- The environmental conditions for the lab as well as laboratory gases and plumbing
- The power requirements related to the product (e.g., number & location of electrical outlets)
- The required operating supplies necessary for the product and installation
- Please consult Other Requirements section below for other product-specific information.
- For more details, please consult the product-specific Site Preparation or Pre-Installation manual (delete this line if a Site Prep Guide does not exist).

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 Responsibilities above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or it's 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

1. The FTIR flow cell designed to be mounted inside the cell compartment of a suitable FTIR spectrometer. The control cable and heated transfer line should exit the cell compartment from the top or the side to suit the set-up.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
Cell assembly	3.5	7.70	17	6.5	12	5	15	6
Controller	3.0	6.60	13.6	5.5	25	10	20	8



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.

Instrument Description	Operating temp range °C (F)	Operating humidity range (%)	Heat Dissipation (BTU)
Cell assembly	Ambient	10-80%	Ambient Operating
Controller (Not Supplied)	N/A	N/A	N/A

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Power Consumption

Special Notes

1. If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
2. Before plugging in the power cable, ensure the voltage selector on the IEC mains matches your local power supply. Two operations are required to configure the Temperature Control Module to your local line voltage:
 - a) Ensure that the voltage shown at the bottom of the IEC inlet voltage selector matches your local line voltage. If it does not match, prise the voltage selector out of the inlet body and replace it in reverse orientation.
 - b) Ensure that the PID term selector switch is positioned to match your local line voltage. If you have been supplied with a custom (long) transfer line then the unit will only operate from a 230V supply.
3. Use only a supply with PROTECTIVE GROUNDING.
4. The unit is double fused (line and neutral) and the correct fuses should be installed in the IEC inlet: two 5A F 250V HBC fuses.
5. The mains supply should be fitted with an RCCB. Ensure the power switch and appliance coupler remain accessible at all times

Instrument Description	Line Voltage & Frequency (V, Hz)	Maximum Power Consumption (VA)	Maximum Power Consumption (W)
Controller (Not Supplied)	110, 230VAC; 50/60Hz	5VA	1320

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Other Requirements

Not Applicable to Room Temp FTIR

1. Drying-out Period

After assembling the equipment, and before its first use, the cell should be allowed to run at 150°C for approximately one hour, without adding solvent, to allow any internal moisture to be dried out from the cartridge heaters. The equipment cannot be assumed to meet all relevant safety standards until this process is completed. If the liquid connections are fitted with nylon blanking plugs, remove these before heating. One of the liquid connections should be loosened to allow any residual solvent to vent (loosen the top fitting on side connection versions).

2. Temperature

The FTIR cell and heated transfer line are designed to be controlled at temperatures up to 175°C and therefore caution should be exercised when handling these components.

Important Customer Web Links

- For additional information about our solutions, please visit our web site at <http://www.chem.agilent.com/en-US/Pages/HomePage.aspx>
- Need to get information on your product?
Literature Library - <http://www.agilent.com/chem/library>
- Need to know more?
Customer Education - <http://www.agilent.com/chem/education>
- Need technical support, FAQs? - <http://www.agilent.com/chem/techsupp>
- Need supplies? - <http://www.agilent.com/chem/supplies>

Document part number: Gxxxx-xxxxx

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Document Control Logs

Revision Log

Revision	Date	Reason For Update
add revision # of doc here	Date of issuance	Author to describe main features/changes made for this specific revision

Approval Log

Revision	Approver	Title of Approver
add rev#	Add approver name here	Add approver's function or title here