

4300 Handheld FTIR Spectrometer- Hardware Site Preparation Checklist

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:

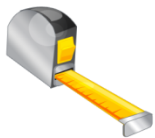
- The necessary laboratory or bench space is available
- The environmental conditions for the lab as well as laboratory gases and plumbing
- The power requirements related to the product (e.g., number & location of electrical outlets)
- The required operating supplies necessary for the product and installation
- Please consult Other Requirements section below for other product-specific information.

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. Remember to also supply room for either a laptop or desktop pc in your overall dimensions.
2. The power and USB cable connections are at the rear of the instrument. The power switch is located at the top left corner.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
4300 Handheld FTIR Instrument		4.15		13.6		7.5		4
Instrument Stand								
Diamond-ATR Accessory		.20		2.75		2.9		2.3
Germanium-ATR Accessory		.25		2.75		2.9		2.3
Diffuse Reflectance Accessory		.45		2.75		3.4		2.3
External Reflectance Accessory		.35		2.75		2.9		2.3
Grazing Angle Accessory		.30		2.75		2.9		2.3



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. For optimum analytical performance, it is recommended that the ambient temperature of the laboratory be between 20 and 25 °C, and be held constant to within ± 2 °C throughout the entire working day.

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Instrument Description	Operating temp range °C (F)	Operating humidity range (%)	Heat Dissipation (BTU)
4300 Handheld FTIR Instrument and accessories (operational)		Up to 90% non condensing	
4300 Handheld FTIR Instrument and accessories (in transit)		Up to 90% non condensing	



Power Consumption

Special Notes

1. If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
2. A separate power outlet receptacle should be provided for the Cary 630 system.
3. Good electrical grounding is essential to avoid potentially serious shock hazards. A 3-wire outlet with ground connection must be provided for the 4300 Handheld FTIR. Make certain that power outlets are earth-grounded at the grounding pin.
4. The use of extension cords or outlet adaptors is not recommended.
5. Universal Power supply and a country dependent power cord are supplied with Model 4300 Handheld FTIR.

Instrument Description	Line Voltage & Frequency (V, Hz)	Maximum Power Consumption (VA)	Maximum Power Consumption (W)
4300 Handheld FTIR Instrument			



Required Operating Supplies by Customer

Special Notes

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Other Requirements

Use of the 4300 Handheld FTIR and accessories may involve materials, solvents and solutions that are flammable, corrosive, toxic or otherwise hazardous. Careless, improper, or unskilled use of such materials, solvents and solutions can create explosion hazards, fire hazards, toxicity and other hazards which can result in death, serious personal injury, and damage to equipment and property.

ALWAYS ensure that safety practices governing the use, handling and disposal of such materials are strictly observed. These safety practices should include the wearing of appropriate safety clothing and safety glasses.

Unpacking the equipment is your responsibility. As the packages are opened, ensure you received everything you ordered. If there are any discrepancies, notify the supplier. If any items are found to be damaged, immediately notify the carrier and supplier. Any differences from the original order should be referred immediately to your Agilent sales office.

Your Agilent Model 4300 FTIR spectrometer has been designed to comply with the requirements of the Electromagnetic Compatibility (EMC) Directive and the Low Voltage (electrical safety) Directive (commonly referred to as the LVD) of the European Union. Agilent has confirmed that each product complies with the relevant Directives by testing a prototype against the prescribed EN (European Norm) standards.

Laser Hazard: The Model 4300 FTIR spectrometer contains a low-powered solid state laser required for operation. The laser emits radiation and can cause injury to the eye. Do not stare directly into the beam.

Class 1 Laser

Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

CDRH Accession No. 0321242

IEC 60825-1:2007

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>
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Document Control Logs

Revision Log

Revision	Date	Reason For Update
1.0	9-01-2011	NPI Model 4300, Author J Corbett

Approval Log

Revision	Approver	Title of Approver