

## Agilent CrossLab Start Up Services

# Agilent XF PRO Site Preparation Checklist

Thank you for purchasing an instrument from **Agilent Technologies**. CrossLab Start Up is focused on helping customers shorten the time it takes to start realizing the full value of their instrument investment.

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, space, and utility requirements for the system set up in your lab.

# Introduction

## Customer Information

- If you have questions or problems in providing anything described as part of *Customer Responsibilities* below, 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.
- Should your site not be ready for any reason, please contact Agilent as soon as possible to re-schedule any services that have been purchased.
- Other optional services such as additional training, operational qualification (OQ) and consultation for user-specific applications may be ordered with the system but should be contracted separately.

## 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 required **environmental conditions for the lab** as well as laboratory gases, tubing.
- The **power requirements** related to the product (e.g. **number & location** of electrical outlets).
- The **required operating supplies** necessary for the product and installation.
- While Agilent is delivering **Installation and Introduction** services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.
- Please consult the **Special Requirements and Other Considerations** section below for other product-specific information

## Important Customer Web Links

- To access **Agilent University**, visit <http://www.agilent.com/crosslab/university/> to learn about training options, which include online, classroom and onsite delivery. A training specialist can work directly with you to help determine your best options.
- To access the **Agilent Resource Center** web page, visit <https://www.agilent.com/en-us/agilentresources>. The following information topics are available:
  - Sample Prep and Containment
  - Chemical Standards
  - Analysis
  - Service and Support
  - Application Workflows
- The **Agilent Community** is an excellent place to get answers, collaborate with others about applications and Agilent products, and find in-depth documents and videos relevant to Agilent technologies. Visit <https://community.agilent.com/welcome>
- Videos about specific preparation requirements for your instrument can be found by searching the **Agilent YouTube** channel at <https://www.youtube.com/user/agilent>
- **Need to place a service call?** [Flexible Repair Options | Agilent](#)
- Technical Support e-mail for XF instruments is [cellanalysis.support@agilent.com](mailto:cellanalysis.support@agilent.com)

# Site Preparation

## 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.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs.	cm	in	cm	in	cm	in
XF PRO Analyzer	22.27	49.0	58.42	23.00	40.64	16.00	38.74	15.25
XF PRO Controller	10.00	22.0	45.72	18.00	30.48	12.00	53.34	21.00

## Equipment Positioning on the Bench

- The rear of the Analyzer requires at least six inches of free space for cooling airflow and power cord routing.
- The right side of the Analyzer requires at least eight inches of clear space for consumable loading.

## Environmental Conditions

Operating your instrument within the recommended temperature ranges ensures 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 following table may help you calculate the additional BTUs of heat dissipation from this new equipment. Maximum values represent the heat emitted when heated zones are set to maximum temperatures.

Instrument Description	BTU Heat Dissipation	
XF PRO Analyzer and Controller	1706	If the analyzer is to be enclosed the container must have an exhaust and temperature control to dissipate the heat generated by the instrument.

Instrument Description	Operating Temperature Range °C (F)	Operating Humidity Range %
XF PRO Analyzer and Controller	18°C (64°F) – 30°C (86°F)	Humidity less than 80% for Temperature up to 31C, decreasing linearly to 50% at 40C.

## Exhaust Venting Requirements

The instrument has a rear fan to cool internal electronics. If this is blocked or the ambient environment temperature is raised, it could affect the operation of the instrument.

## Power Consumption

### Special notes

- The instrument will need two (2) wall sockets to provide power to the instrument. One for the analyzer power cord and one for the controller power cord.

Instrument Description	Line Voltage and Frequency V, Hz	Maximum Power Consumption VA	Maximum Power Consumption W
XF PRO	90VAC – 240VAC 50Hz -60Hz	800	800

## Required Operating Supplies by Customer for Installation

### Special notes:

The customer site will have rules on PPE requirements. Please communicate these rules to the visiting Agilent representative before the day of the visit.

Item Description (including Dimensions etc.)	Vendor's Part Number (if applicable)	Recommended Quantity
Non-CO2 incubator set to 37°C		1
Inverted phase microscope		1
20-200uL Multichannel pipette, within calibration date		1
200uL Pipette Tips		1 box
Water bath set to 37°C		1
Bottle mixer (Vortex Genie or equivalent)		1
Biosafety Cabinet		1
Distilled Water		< 200mL
70% ETOH		<200mL
Biohazard container for liquid waste		1
Trash barrel for non-hazardous waste		1

## Special Requirements and Other Considerations

### Waste liquid and gas management

- See the Required Operating Supplies by Customer for Installation section.

### Tools

- Your Agilent instrument does not come with any hand tools for installation and introduction.



## Service Engineer Review (Optional)

### Service Engineer Comments

If the Service Engineer completed a review of the Site Preparation requirements with the customer, the Service Engineer should complete the following Comments section. Both the Service Engineer and the customer should complete the Site Verification section below.

If there are any specific points that should be noted as part of performing the site preparation review or other items of interest for the customer, please write in this box.

## Site Preparation Verification

Service Request Number:

Date of Review:

Service Engineer Name:

Customer Name:

Service Engineer Signature:

Customer Signature:

Total number of pages in this document: