Agilent 380/385-ELSD
Pre-Installation Site Preparation Check List

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.

For additional information about our solutions, please visit our web site at http://www.chem.agilent.com/en-US/Pages/HomePage.aspx

Customer Responsibilities

Make sure your site meets the following **prior to the installation date using the checklist below. For details, see specific sections within this document**, including:

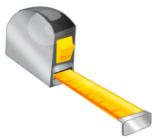
- the necessary **laboratory or bench space is available.**
- the **environmental conditions for the lab** as well as laboratory gases, tubing,
- the **power requirements** related to the product (e.g. **number & location** of electrical outlets)
- the **required operating supplies** necessary for the product and installation
- please consult **Other/Special 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 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.



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 standard instrument requires a space of at least 2.5 cm (1.0 inch) on both sides, and approximately 15 cm (5.9 inches) at the rear for the circulation of air and room for electrical connections.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
G4260A (380-ELSD)	11 kg	24.3 lbs.	41.5 cm	16.3 in	45 cm	17.7 in	20 cm	7.9 in
G4261A (385-ELSD)	13 kg	28.7 lbs.	41.5 cm	16.3 in	45 cm	17.7 in	20 cm	7.9 in

Environmental Conditions

Operating your instrument within the recommended temperature ranges insures optimum instrument performance and lifetime.

Special Notes:
1. Avoid positioning in direct sunlight. 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 of the system (as specified in the "Performance Specifications" section of the Operation Manual). Temperature changes of 2°C / hour or less (as defined by ASTM conditions) are required to achieve best possible baseline stability. Higher variations will definitely result in higher signal drift and wander of the baseline.
3. Do not store, ship or use your 380/385-ELSD under conditions where temperature fluctuations could cause condensation within the instrument. Condensation will damage the system electronics. If your ELSD was shipped in cold weather, leave it in and allow it to warm up slowly to room temperature to avoid condensation.
4. Better drift performance depends on better control of the temperature fluctuations. To realize the highest performance, minimize the frequency and the amplitude of the temperature changes to below 1 °C/hour (1.8 °F/hour). Turbulences around one minute or less can be ignored.

Instrument Description	Operating temp range °C (F)	Operating humidity range (%)	Heat Dissipation (BTUs/hr)
G4260A	10 to 35°C (50 to 95°F), constant temperature.	10-80%, non-condensing	345BTU
G4261A	10 to 35°C (50 to 95°F), constant temperature.	10-80%, non-condensing	275BTU

Power Consumption

Special Notes:

1. If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
2. Electric current: 2A max, with a protective earth connection.

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)
G4260A	100 – 120 VAC or 220 – 240 V, ± 10 % (Pre-set at factory - not user adjustable) 50-60Hz +/-5%	480VA	100W
G4261A	100 – 120 VAC or 220 – 240 V, ± 10 % (Pre-set at factory - not user adjustable) 50-60Hz +/-5%	480VA	80W

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/Part Number (if applicable)	Recommended Quantity
HPLC Grade Water (needed for installation)	N/A	2.5 L
HPLC Grade Acetonitrile (needed for installation)	N/A	2.5 L
Caffeine Standard (250 µg/ml in water)	G4218-85000	1
Solvent delivery system	N/A	N/A

Other/Special Requirements

Extraction Requirements:

During normal operation the carrier solvent is evaporated as it passes through the instrument and must be extracted safely at the rear of the unit. The exhaust from the instrument (13mm ID PVC tubing) must be extracted to a fume hood or similar solvent disposal unit. If the extraction tube provided with the instrument is to be extended it is recommended that the diameter of the extension is increased to at least 50mm (2″) diameter tubing so the extraction quality is not inhibited.

Gas Supply:

Gas: Nitrogen (98% purity or better and filtered to 0.2µm)

Notes:

- ➔ Air can only be used for non flammable solvents
- ➔ The mass flow controller is not calibrated for use with gases other than Air or Nitrogen
- ➔ For operation with other inert gases contact Agilent Technologies for advice.

Gas flow 0.9 to 3.25 SLM @ 4.1 bar @ 25°C
Pressure operating range: 4.1-6.9 bar (60 – 100 psi)
Maximum Pressure: 6.9 bar (100 psi)

Precautions*:*

Solvent Vapours

Vapour sensors are used inside and outside the enclosure of the Agilent 380/385-ELSD to alert the operator to solvent leaks. Liberal use of organic solvents in close proximity to the instrument may activate the vapour sensor, causing the instrument to shutdown.

Please exercise with care when using solvents close to the instrument: vapour sensor is present in the Agilent 380/385 ELSD.

Document Control Logs

Revision Log:

Revision	Date	Reason For Update
[1.0]	17-May-2011	Initial Revision

Approval Log:

Revision	Approver(s)	Title of Approver
[1.0]	Stephen Ball	Product Manager
[1.0]	Jade Yakhoul	Service/Technical Support Manager

