



Site Preparation Specification

Purpose of Procedure

To ensure that the installation site is properly evaluated and prepared with the appropriate utilities, consumables and supplies for the successful installation of Agilent instruments and systems.

Procedure Checklist



Agilent 6300 Series Ion Trap Mainframe

Footprint:

Weight:	80 kg	Height:	55.2 cm
	176 lb		21.7 in
Depth:	69.6 cm	Width:	75.4 cm
	27.4 in		29.7 in

Check Boxes

Customer Responsibilities

Customers should ensure that all necessary operating supplies, consumables and usage dependent items such as columns, vials, syringes and solvents required for the successful installation of instruments and systems are available. Installation sites should be prepared in accordance with the following specifications. An Agilent customer engineer will call approximately 2 weeks prior to installation to confirm site readiness.

Maximum cabinet dimensions:*

Weight:	83.0 kg	Height:	64.2 cm
	182.0 lb		25.2 in
Depth:	75.1 cm	Width:	82.0 cm
	29.6 in		32.2 in

E1M18 Mechanical Pump:

Weight:	32.0 kg	Height:	23 cm
	70.4 lb		9.2 in
Depth:	51.0 cm	Width:	17.0 cm
	20.4 in		6.8 in

Agilent G1947A APCI Interface:**

Weight:	1.7 kg	Height:	23 cm
	3.75 lb		9.2 in
Depth:	13.0 cm	Width:	18 cm
	5.1 in		7.1 in

Important Information

This checklist is designed to be used in conjunction with the Agilent 6300 Ion Trap. Site Preparation Manual. If you have problems providing any of the following, please contact your local Agilent office for assistance. Assistance with user specific applications may be provided but should be contracted separately. Users of the instrument should be present throughout the installation and familiarization otherwise important operational, maintenance and safety information may be missed.

Agilent G1948A API-ES Interface:**

Weight:	1.7 kg	Height:	17 cm
	3.75 lb		6.8 in
Depth:	9.5 cm	Width:	18.0 cm
	3.7 in		7.1 in

* Maximum cabinet dimensions are for an Agilent 6300 Ion Trap system with an Agilent G1947A APCI interface installed.

** At least 30 cm (1 ft) to the left of the instrument and at least 5 cm (2 in) to the rear should be added to the maximum cabinet dimensions to provide adequate airflow and instrument access.



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Environmental Conditions



Temperature: 15 to 35 °C (59 to 95 °F)
 at constant temperature (variations <3 °C/hr).
 Analytical specifications will be met within the temperature
 range of 21 °C ± 3 °C (70 °F ± 6 °F)
 Humidity: <95% relative, non-condensing.



Power



U.S. & Japan: 200 - 210 VAC, +5%/-10%
 50/60 Hz ± 5%
 2000 VA max
 Europe: 220 - 240 VAC, +5%/-10%
 50/60 Hz ± 5%
 2000 VA max



Heat Dissipation



2000 Watts (6800 BTU / hour)



Nitrogen Gas Supply



Purity: 99.5% or better - Cylinder
 98.0% or better - Nitrogen gas generator or liquid nitrogen
 Dewar
 The balance should consist of oxygen and/or argon and must
 be hydrocarbon free (<0.1 ppm hydrocarbons).
 Pressure: 80-100 psi. One 1/4" Swagelok.
 Volume: Up to 15 liters/min. outlet fitting is required to
 connect the LC/MSD



Helium Gas Supply

Purity: 99.99% or better
 Pressure: 60-80 psi maximum
 Helium Usage: < 5scm/min (standard cubic
 Centimeter)



Methane Gas Supply (G2474A ETD Traps only)

Purity: 99.999% or better
 Pressure: 20-40 psi (typical)
 Supply: Cylinder or Bottle



Exhaust Venting Requirements

Capacity: Up to 15 liters/min. with separate exhaust lines for
 pump and API source



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Remote Diagnostics



- One analog phone line is recommended to provide remote diagnostics capability for the 6300 Ion Trap
- A second phone line is also strongly recommended for communication with the system operator



Solvents and Supplies



- Iso-Propanol, Methanol and Acetonitrile: HPLC grade purity is required
- MiliQ water or HPLC Grade water is recommended
- Buffer: Acetic acid (recommended), Ammonium Format
- Eppendorf pipettes (10-100µl and 100-1000µl)
- Eppendorf pipette tip

Note:

This table lists operation power for the Agilent 6300 Series Ion Trap System and its accessories:

Line Voltage	120V AC	230V AC
Mass Spectrometer	200V - 210V AC +5% - 10% 50/60Hz ± 5%	220V - 240V AC +5% - 10% 50/60Hz ± 5%
	Dual Phase 16A Max	Single Phase 16A Max
Computer Hardware	100V - 240V AC 50/60 Hz (110V AC)	100V - 240V AC 50/60 Hz (230V AC)
	5A, 2 outlets	3A, 2 outlets
Printer LaserJet (Purchase separately)	100V - 120V AC 50/60 Hz	220V - 240V AC 50 Hz
	3.3A, 1 outlet	1.7A, 1 outlet
Syringe Pump (Include with G2440AA/CA/DA and G2451AA)	115VAC – 230VAC 50/60 Hz 0.1A (US), .05A (Europe) 1 outlet	
LC 1100 (Purchase separately)	100V - 240V AC 50/60 Hz	
Number of outlets varies with actual configuration		