

# Physical Specifications

**Table 1** Physical Specifications

Type	Specification	Comments
Weight	15.5 kg (34.2 lbs)	
Dimensions (height × width × depth)	200 x 345 x 440 mm (8 x 13.5 x 17 inches)	
Line voltage	100 – 240 V~, ± 10 %	Wide-ranging capability
Line frequency	50 or 60 Hz, ± 5 %	
Power consumption	200 VA / 200 W / 683 BTU	Maximum
Ambient operating temperature	4–55 °C (39–131 °F)	
Ambient non-operating temperature	-40 – 70 °C (-40 – 158 °F)	
Humidity	< 95 % r.h. at 40 °C (104 °F)	Non-condensing
Operating altitude	Up to 2000 m (6562 ft)	
Non-operating altitude	Up to 4600 m (15092 ft)	For storing the module
Safety standards: IEC, CSA, UL	Installation category II, Pollution degree 2	For indoor use only.

## 2 Site Requirements and Specifications

### Performance Specifications

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**Table 2** Performance specifications G4226A

Type	Specification	Comment
Injection range	0.1 – 20 µL in 0.1 µL increments 0.1 – 40 µL in 0.1 µL increments if 40 µL loop is installed 0.1 – 120 µL in 0.1 µL increments with 1290 Infinity large volume injection kit (hardware modification required) pressure range up to 1200 bar 0.1 – 100 µL in 0.1 µL increments with 100 µL upgrade kit (G4214A) (hardware modification required) up to 600 bar	
Precision	Typically <0.25 % RSD from 5 – 20 µL, Typically <0.5 % RSD from 2 – 5 µL volume, Typically <0.7 % RSD from 1 – 2 µL volume.	Measured with injections of benzylalcohol.
Pressure range	Up to 1200 bar Up to 600 bar	with 1290 Infinity large volume injection kit installed with 100 µL upgrade kit (G4214A) installed
Sample viscosity range	0.2 – 5 cp	
Sample capacity	Capacity 2 x well plates (MTP) + 10 x 2 mL vials, 108 x 2 mL vials in 2 x 54 vial plate plus 10 additional 2 mL vials, 30 x 6 mL vials in 2 x 15 vial plate, 100 Micro vial tray, plus 10 additional 2 mL vials, 54 Eppendorf tubes (0.5/1.5/2 mL) in 2 x 27 Eppendorf tube plate.	Also compatible with the Agilent 1200 Series sample capacity extension for further expansion of the sample capacity.

**Table 2** Performance specifications G4226A

Type	Specification	Comment
Injection cycle time	Typically <21 s using following standard conditions: Default draw speed: 100 µL/min Default eject speed: 100 µL/min Injection volume: 5 µL	
Carry Over	Typically <0.004 %	<p>Using the following conditions:</p> <ul style="list-style-type: none"> <li>• Column: Agilent ZORBAX SB-C18, 2.1 x 50 mm 1.8 µm (827700-902)</li> <li>• Mobile Phase: <ul style="list-style-type: none"> <li>• A: 0.1 % TFA in water</li> <li>• B: 0.1 % TFA in Acetonitrile</li> </ul> </li> <li>• Isocratic : % B=35 %</li> <li>• Flow rate: 0.5 mL/min</li> <li>• Temperature: 25 °C</li> <li>• Wavelength: 257 nm</li> <li>• Sample: 1200 ng/µL Chlorhexidine for UV, 240 ng/µL Chlorhexidine for MS (dissolved with mobile phase A), 1 µL injected and measured both on Agilent 6410 QQQ and G4212A DAD</li> <li>• Wash solution: H<sub>2</sub>O with 0.1 % TFA (5 s)</li> </ul>
Control and data evaluation	<p>Agilent ChemStation for LC EZChrom Elite Mass hunter Lab Advisor</p>	<p>B.04.02 or above 3.3.3 or above B.02.01 sp1 or above B.01.03 or above</p>
Local Control	Agilent Instant Pilot (G4208A)	B.02.08 or above
Communications	Controller-area network (CAN), RS-232C, APG Remote: ready, start, stop and shut-down signals, optional four external contact closures and BCD vial number output.	

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Safety and maintenance	Extensive diagnostics can be done with the help of the Control Module and Agilent LabAdvisor Diagnostic Software, error detection and display (through Instant Pilot and Diagnostic Software), leak detection, safe leak handling, leak output signal for shutdown of pumping system. Low voltages in major maintenance areas.	
GLP features	Early maintenance feedback (EMF) for continuous tracking of instrument usage with user-settable limits and feedback messages. Electronic records of maintenance and errors.	
Housing	All materials recyclable.	
Metering device	Metering pump in high pressure flow path	