

## Physical Specifications

**Table 1 Physical Specifications G7129A, G7129B, G7129C**

Type	Specification	Comments
Weight	19 kg (41.9 lbs)	w/o sample thermostat
Dimensions (height x width x depth)	320 x 396 x 468 mm (12.8 x 15.6 x 18.4 inches)	
Line voltage	100 – 240 V~, ± 10 %	Wide-ranging capability
Line frequency	50 or 60 Hz, ± 5 %	
Power consumption	350 VA, 350 W, 1195 BTU/h	
Ambient operating temperature	4 - 40 °C (39 - 104 °F); without sample thermostat up to 55 °C (131 °F)	
Ambient non-operating temperature	-40 – 70 °C (-40 – 158 °F)	
Humidity	< 95 % r.h. at 40 °C (104 °F) <sup>1</sup>	Non-condensing
Operating altitude	Up to 3000 m (9842 ft)	
Safety standards: IEC, EN, CSA, UL	Installation category II, Pollution degree 2	For indoor use only.
ISM Classification	ISM Group 1 Class B	According to CISPR 11
Permitted solvents	Boiling point ≥56 °C (133 °F). Auto-ignition temperature ≥200 °C (394 °F).	

<sup>1</sup> If a sample thermostat is included the upper value for humidity can be reduced. Please check your lab conditions to stay beyond dew point values for non-condensing operation.

## Performance Specifications

### Performance Specifications (G7129A)

**Table 2** Performance Specifications G7129A

Type	Specification	Comments	Method/Conditions
Injection range	0.1 – 100 µL in 0.1 µL increments with 100 µL up to 60 MPa 0.1 – 900 µL in 0.1 µL increments with 900 µL up to 40 MPa	Up to 1800 µL with multiple draw (hardware modification required) Requires 900 µL analytical head	
Injection precision	<0.25 % RSD of peak areas from 5 µL to 100 µL	Measured caffeine	
Pressure range	0 – 60 MPa (0 – 600 bar, 0 – 8702 psi) 0 – 40 MPa (0 – 400 bar, 0 – 5801 psi)	for 900 µL Analytical Head	
Sample viscosity range	0.2 – 5.0 cP		
Sample capacity	132 x 2 mL vial (two trays default) 100 x 2 mL vial (two classic trays optional) 36 x 6 mL vials (two trays optional)		

**Table 2 Performance Specifications G7129A**

Type	Specification	Comments	Method/Conditions
Carryover	<0.004 % (40 ppm) with needle wash		Using the following conditions: <ul style="list-style-type: none"> <li>Column: Agilent Pursuit XRs 3 C18, 2.0 x 50 mm</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 = 40 %</li> <li>Flow rate: 0.5 mL/min</li> <li>Temperature: Ambient</li> <li>Wavelength: 257/4 nm</li> <li>Injection volume: 1 µL</li> <li>Sample: 1200 ng/µL Chlorhexidine for UV (dissolved with mobile phase A), 1 µL injected and measured with Agilent UV detector</li> <li>Wash solution: H<sub>2</sub>O with 0.1 % TFA (3 s)</li> </ul>
Injection cycle time	18 s for draw speed 200 µL/min Ejection speed: 200 µL/min Injection volume: 1 µL		
Minimum sample volume	1 µL from 5 µL sample in 100 µL microvial, or 1 µL from 10 µL sample in 300 µL microvial.	Needle height offset has to be adapted to ensure that needle doesn't touch vial bottom. Default needle height = 0 equates to 2 mm above the vial bottom.	
Instrument Control	LC & CE Drivers A.02.12 or above Instrument Control Framework (ICF) A.02.03 or above Instant Pilot (G4208A) with firmware B.02.19 or above Lab Advisor B.02.07 or above	For details about supported software versions refer to the compatibility matrix of your version of the LC & CE Drivers	
Communication	Controller Area Network (CAN), Local Area Network (LAN) ERI: ready, start, stop and shut-down signals		

**Table 2     Performance Specifications G7129A**

Type	Specification	Comments	Method/Conditions
Maintenance and safety-related features	Extensive diagnostics, error detection and display with Agilent Lab Advisor software Leak detection, safe leak handling, leak output signal for shutdown of pumping system, and 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.		