Agilent 1260 Infinity High Performance Autosampler

Features, Specifications and Ordering Details

For UHPLC performance at best value

The Agilent 1260 Infinity High Performance Autosampler is specifically designed for resolution, speed, sensitivity, and ultra low carryover. It offers maximum flexibility and fast injection cycles to your Agilent LC system. Whenever high sample throughput and speed of analysis are points to consider, this is the autosampler to choose. It can be upgraded from non-thermostatted to thermostatted version by adding the Agilent 1290 Infinity Thermostat.

Features

- Increased pressure range enabling the use of today's column technology (sub-two-micron columns) with the Agilent 1260 Infinity Binary LC system.
- New next generation needle seat design for near zero carryover for optimized performance with all MS detectors.
- Increased sample injection speed for high sample throughput.
- Increased productivity by using overlapped injection mode.
- Offers a wide linear injection range of 0.1-100 µL (up to 1500 µL) without loop change by flow through design.
- New “EZ-change” loop capillary construction in the front of autosampler for the best usability.
- Flexible and convenient sample handling with different types of sample containers, such as vials and well plates. Using 384-well plates allows you to process up to 768 samples unattended.
- Peltier temperature control from 4 to 40° C for thermally labile samples (upgrade from non-thermostted to thermostatted version possible).

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Specifications – Agilent 1260 High Performance Autosampler

Specifications for 1260 Infinity High Performance Autosampler	
Communications	Controller-area network (CAN). RS232C, APG-remote standard, optional four external contact closures and BCD vial number output.
Safety features	Leak detection and safe leak handling, low voltages in maintenance areas, error detection and display.
Injection range	0.1 - 100 µL in 0.1 µL increments Up to 1500 µL with multiple draw (hardware modification required).
Injection precision	<0.25% from 5-40 µL <0.5% from 2-5 µL <0.7% from 1-2µL <1.5% from 0.5-1µL Injection accuracy: ± 1% (10 µL, n=10)
Sample viscosity range	0.2 - 5 cp
Sample 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 plus 10 additional 2-mL vials 54 Eppendorf tubes (0.5/1.5/2.0 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.
Injection cycle time	Typically < 21 s using following standard conditions: Default draw speed: 200 µL/min Default eject speed: 200 µL/min Injection volume: 5 µL
Carryover	Typically < 0.004 % or 40 ppm using the following conditio: Column: 2.1 x 50 mm ZORBAX SB C18, 1.8 µm Sample: Chlorhexidine dissolved in water + 0.1 % TFA Mobile phase: water + 0.05 % TFA, acetonitrile + 09.045 % TFA Flow rate: 0.5 mL/min Gradient: at 0 min 30 % B, at 3 min 60 % B Injection volume: 1 µL external needle wash with water + 0.1 % TFA, draw and inject speed = 100 µL/min Column temperature: 50 °C MSD API-ES positive: SIM ion 505.30 Fragmentor: 70 Gas temperature: 250 °C Drying gas: 12 L/min Vcap: 3000V
GLP features	Early maintenance feedback (EMF), electronic records of maintenance and errors.

Ordering Details – Agilent 1200 Infinity Series Autosamplers

Description	Product Number
Agilent 1260 Infinity Standard Autosampler Includes 100-vial (2-mL) thermostatted tray, 40-vial (2-mL) tray, 15-vial (6-mL) tray, electrically actuated 600-bar Rheodyne injection valve, and 0.5-m CAN cable.	G1329B
Expanded injection range with 900-µL syringe, head, loop capillary and injector needle installed and tested in the sampler.	G1329B#020
Multi-draw kit with loop capillaries to inject 500 and 1500 µL volume	G1329B #021
Agilent 1260 Infinity High Performance Autosampler Includes well-plate tray for two well plate and 10 x 2 mL vials, 2 x 54 (2 mL) vial plate, 600-bar Rheodyne injection valve, and 0.5-m CAN cable.	G1367E
Multi-draw kit with loop capillaries to inject 500 and 1500-µL volume	G1367E#021
40 µL injection kit for RRLC. Includes loop and analytical head.	G1367E#040
Agilent 1260 Infinity High Performance Micro Autosampler Includes micro autosampler with well-plate tray, 2 x 54 (2 mL) vial plate, electrically actuated Rheodyne micro injection valve, and 0.5 m CAN cable.	G1377A
Agilent 1260 Infinity Preparative Autosampler Includes 100-vial (2-mL thermostatted tray, 15 x 6 mL half tray (2x), MBB Rheodyne injection valve and 0.5 m CAN cable.	G2260A
Agilent 1260 Infinity Dual Loop Autosampler Includes dual loop autosampler with two loops, tray for two well / vial-plates and 10 x 2 mL vials, Rheodyne injection valve.	G2258A
Agilent 1290 Infinity Autosampler Includes well-plate tray for two well plate and 10 x 2 mL vials, 2 x 54 (2 mL) vial plate, 1200-bar Rheodyne injection valve, and 0.5-m CAN cable.	G4226A
Agilent 1290 Series Thermostat Includes Peltier device to control the temperature of the Agilent 1200 Infinity Series autosamplers, fraction collectors and spotters.	G1330B
Agilent 1260 Infinity Manual Injector Includes 600-bar Rheodyne manual injection valve, 20 µL sample loop and mounting stand.	G1328C

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