Agilent 1260 Infinity High Performance Micro Autosampler

Features, Specifications and Ordering Details

For low flow LC

The Agilent 1260 Infinity High Performance Micro Autosampler is designed for capillary and nanoflow LC, allowing injection of sample volumes from nL to µL from well plates and vials. It features a low dispersion micro injection valve. It can be upgraded from non-thermostatted to a thermostatted version by adding the Agilent 1290 Infinity Thermostat.

Features

- Minimized dispersion using a micro Rheodyne® valve and the optimized design of the needle seat, loop and seat capillaries that minimizes dispersion.
- Ten times better resolution than a standard autosampler by using a high-resolution metering device.
- Minimal delay volumes for rapid gradients and fast equilibration when bypassing the autosampler after sample injection.
- Increased sample injection speed for high sample throughput.
- No waste of sample (especially when available sample is limited) through variable injection volume and flow through design (compared to fixed loop approaches).
- Flexible and convenient sample handling with different types of sample containers such as well-plates and vials. 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-thermostatted to thermostatted version possible).

Agilent Technologies

Specifications – Agilent 1260 Infinity High Performance Micro Autosampler

Specifications for Agilent 1260 Infinity High Performance Micro Autosampler	
Injection range	0.01 - 8 µL in 0.01 µL increments with the small loop capillary 0.01 - 40 µL in 0.01 µL increments with the extended loop capillary
Precision	Typically < 0.5 % RSD of peak areas from 5 - 40 µL, Typically < 1 % RSD from 1 - 5 µL Typically < 3 % RSD from 0.2 - 1 µL Variable volume
Sample viscosity range	0.2 - 5 cp
Sample capacity	2 well plates (96 and 384) plus 10 additional 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 (0.5/1.5/2.0mL) 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 < 30 s using following standard conditions: Default draw speed: 4 µL/min Default eject speed: 10 µL/min Injection volume: 0.1 µL
Carryover	Typically < 0.05 % using the following conditions: Column: 150 x 0.5 mm Hypersil ODS, 3 µm Mobile phase: Water/Acetonitrile = 85/15 Column Flow rate: 13 µL/min Injection volume: 1 µL caffeine (=25ng caffeine), 1 µL water to test carryover Outside wash of needle before injection: 20 sec with water using flush port

Ordering Details – Agilent 1200 Infinity Series Autosamplers

Description	Product Number
Agilent 1260 Infinity Standard Autosampler Incluldes 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

www.agilent.com/chem/1200

Agilent Technologies