

HPLC Injection Systems: Agilent 1100 Series Autosamplers and Agilent 220 Micro Plate Sampler

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Quick reference

For detailed information
refer to brochure 5968-9103E



	Agilent 1100 Series manual injector Order: G1328A	Agilent 1100 Series standard autosampler and thermostatted version Order: G1313A and G1327A	Agilent 1100 Series thermostatted micro autosampler Order: G1387A	Agilent 1100 Series well-plate autosampler and thermostatted version Order: G1367A and G1368A	Agilent 1100 Series micro well-plate autosampler and thermostatted version Order: G1377A and G1378A	Agilent 220 micro plate sampler Order: G2250A
Application area	The ideal solution for laboratories expanding to HPLC. This injector for low throughput sampling is designed for general HPLC users.	Designed for the reliability, safety, and ease of use needed in pharmaceutical routine tasks and quality control, as well as for environmental and food analyses.	Designed to perform capillary LC, allows injection of sample volumes from nl to µl ranges.	Adds 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.	Designed to perform capillary LC, allows injection of sample volumes from nl to µl ranges.	Highest sample capacity, which increases sample throughput and shortens response time. This is especially useful for drug discovery, combinatorial chemistry, medicinal chemistry and natural products analysis.
Features	The Agilent 1100 Series manual injector with a long-life Rheodyne® 7-port sample injection valve is easy to use and maintain. <small>Rheodyne® is a US registered trademark of Rheodyne L.P.</small>	<ul style="list-style-type: none"> Reliable injections from 0.1µl to 100 µl Easy adaption for injection volumes up to 1500 µl for applications ranging from micro-bore to semipreparative chromatography Low internal volume of 300 µl for the minimum contribution to a system's total internal volume Overlapped injections for increased productivity 	<ul style="list-style-type: none"> A micro Rheodyne® valve and the optimized design of the needle seat, loop and seat capillaries minimize dispersion A high-resolution metering device offers resolution ten times better than a standard autosampler Bypass operation enables low delay volume 	<ul style="list-style-type: none"> Increased sample injection speed for high sample throughput Overlapped injections for increased productivity Minimal delay volumes for rapid gradients and fast equilibration when bypassing the autosampler after sample injection. Flexible and convenient sample handling with different types of sample containers. 384-well plates allows you to process up to 768 samples unattended. 	<ul style="list-style-type: none"> Increased sample injection speed for high sample throughput Flexible and convenient sample handling with different types of sample containers. 384-well plates allows you to process up to 768 samples unattended. <p>Additionally the sampler offers all features of G1387A.</p>	<ul style="list-style-type: none"> The flexibility of sampling and fraction collection from the same device. This gives you a versatile tool to support screening, analysis and research. Fast cycle times, including a flow injection analysis (FIA) mode where a well can be analyzed every 30 seconds. Unattended high throughput with the ability to store and inject over 4,600 samples (using 384-well plates).
Sample capacity		<ul style="list-style-type: none"> 100 × 2-ml vials/standard tray, 40 × 2-ml vials/standard tray, 15 × 6-ml vials/half tray Microvials (100 or 300 µl) with sleeves 	<ul style="list-style-type: none"> 100 × 2-ml vials/standard tray, Microvials (100 or 300 µl) with sleeves 	<ul style="list-style-type: none"> 2 well plates (96 and 384) plus 10 additional 2-ml vials 100 × 2-ml vials/standard tray 40 × 2-ml vials/half tray Microvials with sleeves 	<ul style="list-style-type: none"> 2 well plates (96 and 384) plus 10 additional 2-ml vials 100 × 2-ml vials/standard tray 	<ul style="list-style-type: none"> 12 standard well plates including: 96-well plates, 96-deep-well plates, 384-well plates, PCR, tubes, 2-ml vials, test tubes, and sealed and unsealed vials
Thermostating capacity		Peltier temperature control from 4 to 40 °C for up to 100 2-ml vials containing thermally-labile samples	Peltier temperature control from 4 to 40 °C for up to 100 2-ml vials containing thermally-labile samples	Peltier temperature control from 4 to 40 °C for well plates and 2-ml vials containing thermally-labile samples	Peltier temperature control from 4 to 40 °C for well plates and 2-ml vials containing thermally-labile samples	