

SpectraSYSTEM AS3000 Autosampler

For automatic routine sampling

The Thermo Scientific SpectraSYSTEM™ AS3000 Autosampler provides high-performance automatic sampling at entry level pricing. Configuration flexibility includes fixed volume injection, variable volume injection, and column oven.

- Complete ROHS compliance
- Micro-robotic operation
- 120-vial capacity with random vial access
- Re-use of calibration standards
- PC-based control available
- Numerous integrated options available
- Optimum sensitivity and selectivity with Thermo Scientific columns

Variable-volume Injection Autosampler

The AS3000 provides outstanding performance and maximum flexibility in an LC sample processing system. This autosampler offers 120-vial capacity, multiple injection modes, random vial access, re-use of calibration standards, and priority sampling.

Column Oven

The column oven provides complete control of the column and injector temperature for increased separation efficiency and reproducibility.

ChromQuest™ Chromatography Data System

Thermo Scientific ChromQuest offers maximum flexibility and efficiency in setting up and maintaining the performance of chromatography instruments. ChromQuest protects your results by ensuring data traceability and integrity with enhanced security features and electronic documentation. Sophisticated analytical tools facilitate high sample throughput and powerful data processing for liquid chromatography. ChromQuest maximizes laboratory efficiency with project management for information storage and transfer. Along with accelerating data analysis and results generation, ChromQuest uses robust integration, flexible calibration routines, and advanced spectral analysis tools that help avoid the unexpected.

Certification and Qualification Services

Every pump is tested at the factory prior to shipment to ensure that it meets or exceeds performance specifications. A Declaration of Conformity (DC) accompanies each pump and documents test results. On-site field testing (optional) qualifies system performance.



Specifications

Injection Precision

< 0.5% RSD @ 10 µL

Injection Volume

0.1–100 µL injections standard up to 1500 µL injections with larger loops and syringe

Sample Carryover

Typically < 0.01% at 400 µL flush volume

Minimum Sample Volume

1 µL can be injected from 10 µL

Needle Height

Programmable in 0.1 mm increments

Column Oven

20–80 °C in 1 °C increments, starting at 5 °C above ambient

Method Files

Protected in non-volatile memory

Communications

Remote Inputs

Pump Ready, Inject Hold

Outputs

Pump Stop, Autosampler Ready, Gradient Start, Inject

Four timed event outputs

RS-232C

Ambient Environment

10–40 °C, 5–95% relative humidity (non-condensing)

Dimensions

37 × 41 × 51 cm (H × W × D)

Weight

16 kg standard; 24 kg with all options installed

Power Requirements

100/120/220/240 VAC nominal; 50 to 60 Hz

Product Certification

TUV CUS

TUV CE Mark

FCC (EMI)

Ordering Information

Part Number	Description
60053-60142	AS3000 Variable Volume Autosampler
A4954-010	Autosampler Vial Kit (100 1.8 mL vials)
60053-60138	SN4000 System Controller
CHROM-64510	ChromQuest 5.0 Full Install
00109-01-00007	Hypersil GOLD™ Column, 100 x 4.6 mm, 3 µm
A5765-073	SpectraSYSTEM Accessory Rack