

Smartline 3950 HPLC Autosampler

Overview

The Smartline Autosampler 3950 can inject from up to 768 positions when equipped with microtiter plates (either high or low formats) or from up to 96 standard 2 ml sample vials. Sample carryover is significantly minimized thanks to a highly-effective interior and exterior needle wash procedure.

This autosampler is also fast and flexible: one complete sample injection cycle takes less than one minute, including needle wash.

Three different injection modes are supported: full loop filling (highest precision and reproducibility), partial loop filling (variable volumes, e.g. for dilution series) and μ l pickup (loss-free injection of extremely small sample volumes), allowing the user to optimize sample usage. The headspace pressure function prevents bubbles from forming in the vial during sample uptake.

Precolumn derivatization is supported. Options include sample tray cooling (4 - 22°C), biocompatible sample path, and a preparative version for sample volumes up to 10 ml.

The Smartline 3950 Autosampler is of modular design, easy-to-use and easy-to-maintain, which allows it to be integrated easily into existing systems as a module.



Specifications

Sample Capacity	max. 768 positions using well plates, max. 96 positions using vials
Injection Method	Full and partial sample loop filling, micro-pickup
Sample Loops	100 μ l standard, 10 ml for the preparative option
Injection volumes	1 μ l to 5,000 μ l
Precision	< 0.3% RSD for filled loop injections
Remote Control	LAN Interface, Remote Start output, 2 programmable TTL inputs for next injection, freeze, stop
Dimensions	300 x 360 x 510 (570 with cooling option) mm (W x H x D)
Weight	19 kg (21 kg with cooling option)
All specifications may be subject to change for technical reasons.	

Ordering Information

A5005-1	Smartline 3950 Autosampler, analytical version
A50051-1	Smartline 3950 Autosampler, analytical version with sample cooling
A50052-1	Smartline 3950 Autosampler, biocompatible analytical version
A50053-1	Smartline 3950 Autosampler, biocompatible analytical version with sample cooling
A50054-1	Smartline 3950 Autosampler, preparative version