



HT310L

COST-EFFECTIVE HPLC AUTOSAMPLER



**HT310L: here's when
you should buy**

**Running application with
long analysis time**

Small budget

**Small sample number
to process**

**Stand-alone autosampler:
no PC required**

HTA - SAMPLING FOR SCIENCE | www.hta-it.com



**CHROMATOGRAPHIC
SPECIALTIES INC.**
www.chromspec.com

1-800-267-8103 • instrum@chromspec.com



Get precision and performance with a system that is perfectly sized for your needs. The **HT310L** offers automation for processing up to 10 unattended samples. **By its cost effective pricing is the alternative to the manual injector for users that cares about reproducibility and accuracy.**

Easy to use: programmed by the integrated keypad or by Clarity DataApex chromatography Data System.

Fits every HPLC system: its

communication port has a variety of input and output signals to ensure that it can interface with your HPLC system.

Direct syringe injection minimizes dead volume, reduces carry-over and improves repeatability. **Full and partial loop are both performed with very accurate and reproducible values.**

At the price of an entry-level autosampler, it can afford – already in the standard configuration – the **derivatization and the dilution** of the sample.

Within the standard configuration the autosampler is equipped with an automatic 6-port 2-way vertical injection-port valve.

Handling of difficult samples. **Variable fill speed** allows a wide range of sample viscosities with incredible performance. By a **short flow path** (made up only by the syringe and the valve) **it is able to handle even the most aggressive solvents.**

Few maintenance required.

	HT310L	HT4000L
Sample Capacity	10	176+
Vial Type	2/2.5ml	2/4/6/10/20/40ml
Other Sample Vessel(s)	-	Well Plate/Tube Block/ Test Tube and more
Syringe Range	from 0.1 to 0.5ml	from 500nl to 10ml
Sample Preparation Capability	Basic	Advanced
Application Versatility	-	YES
Cooling	-	YES

HT310L TECHNICAL SPECIFICATIONS

General characteristics

Tray capacity: 10 vials (2 or 2.5ml)
Syringe volume: 100, 250, 500µl

Analytical performance

RSD (vol.>5µl): Full loop: 0.3% (typically 0.15%)
Partial loop: 0.6%
Carry over: 0.1%
Linearity: 0.999

Pre & post wash

Volume: as low as step of 0.1µl/sec
Mode: every injection/ sample/ step
Washing cycles: up to 15

Filling

Sample volume: as low as step of 0.1µl/sec
Filling speed: 0.1-100µl/sec
Bubble elimination: up to 15 pull up strokes
Viscosity delay: 0-15s

Injection

Injection speed: 1-100µl/sec
Waiting time: before and after injection 0-99s

Derivatization techniques

Volume: as low as step of 0.1µl/sec
Time: 0.1-25min.
Repetitions: up to 15

Physical characteristics

Dimensions (WxHxD): 327x520x400mm
Weight: 9.1kg
Power Supply: 230/115/100 ±10%Vac; 50-60Hz;100VA

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