



# HT1500L

## NO FRILLS HPLC AUTOSAMPLER



**Load your samples and press START button.** The tray rotates and the arm with needle is aligned on top of the first sample vial to be processed.

The needle is inserted in the vial at the **programmable depth** where the sample is aspirated by the built-in pump in order to fill the loop. The injection valve is then commutated to the inject position and **the sample is delivered to the HPLC** system. Then, by using the on-board solvents, the needle and the whole flow-path are cleaned before processing the next sample.

### KEY FEATURES:

- **Universal:** combines with any HPLC
- **Easy-To-Operate**
- **No Frills:** it delivers what you truly need
- **Removable racks** for continuous feeding

**HT1500L**—that uses standard consumables — offers the capability to automate up to 45 samples. **By supporting multiple racks — each of them removable — allows for continuous feeding and convenient operations.**



## Combines with your existing HPLC!

### EASY-TO-OPERATE

Keypad operations enables simple **automation of any existing HPLC** and makes the autosampler **easy to control by any chromatography software**.

**HT1500L** comes with HTA Autosampler Manager (Standard Version), our complimentary software control for autosampler programming. After setting your method once, **just need to load samples and press START**: experience a seamless integration.

### NO FRILLS

**Is your HPLC routine calling for automation?** Look no further than the HT1500L; an autosampler designed for HPLC, fully equipped with powerful features you would naturally choose.

Unlike LC-MS, nanoLC and UHPLC systems (which require specifications fully soaked only be costly autosamplers) the HPLC requires few, essential features: **excellent analytical performance**, good sample capacity, and of course, uncompromised **reliability, robustness and durability**.

We have showered the HT1500L with **all essential features a cutting-edge HPLC system calls for**, while eliminating anything unnecessary to keep your costs as a minimum. No frills. No compromise.

### NO COMPROMISE ON QUALITY

While we have struggled to achieve a **low price**, we haven't made any compromise on quality.

**HT1500L** has a **strong commitment to quality** that focuses on providing a real unattended experience: **HT1500L** will be your workhorse requiring very few or no attention from lab technicians. The materials have been picked up to provide longevity; the up-to-date technologies offer reliability that deserve a modern instrument while the design attests our care in details.

## TECHNICAL SPECIFICATIONS

#### General features

Maintenance: Preventive counters available  
Electrical control: USB and TTL

#### Sample capacity

HT1501L: 45 vials, 4ml (5 removable racks)  
HT1502L: 25 vials, 40ml (5 removable racks)

#### Analytical performance

RSD:  $\leq 0.25\%$   
Linearity (r):  $\geq 0.999$   
Carry over<sup>1</sup>:  $\leq 0.01\%$

#### Wash

Solvent capacity: 5 vials, 40ml (1 removable rack)  
Mode: every injection/sample/step pre & post injection

#### Valve

Type: 6-2

#### Filling

Sampling depth: programmable  
Filling speed: programmable  
Viscosity delay: 0-25s

#### Injection

Injection mode: Full Loop  
Supported loops: 20, 40, 50, 100, 200, 500 $\mu$ l  
1, 5, 10, 20ml  
Cycle time:  $\leq 60$ sec  
Analysis time: 0-999min

#### Physical features

Dimensions (WxHxD)<sup>2</sup>: 355x380x520mm  
Weight: 8kg  
Power supply: 100-240 $\pm$ 10%Vac; 50-60Hz; 60W

Free software "HTA Autosampler Manager (Standard Version)" is provided for PC control; upgrade to "HTA Autosampler Manager (CFR 21 Part 11 Version)" should be purchased separately. PC is required for setup, service, method and sequence editing.

<sup>1</sup>Tested with Uracile 100ppm in mobile phase 60% methanol : 40% water; Column C18; detector: UV fixed length; loop: 20 $\mu$ l

<sup>2</sup>Without accounting the transfer line

**HTA s.r.l.**

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