



VERSATILE HT300A GC Autosampler

compact,
easy to use autosamplers from
HTA, the innovative
automation
provider

Compatible with most GC Types
including
Agilent
Varian
Shimadzu
Perkin Elmer
And many others



WORKS WITH HP
CHEMSTATION



HT300A GC



Works with your current GC!

The HT300A is an autosampler made to meet the liquid injection needs for your GC analysis. The elegant swivel head design mimics the actions of manual injection.

The HT300A may be controlled by a user friendly keypad or by a PC. It can be easily installed on all major GC's with the tray mounted on either side.

Key Features

- No transfer lines means no sample crossover
- Syringe may be washed with solvent or sample
- Injections may be made on two columns (high throughput and confirmation mode)
- Rotating head design leaves injection port free for manual injection
- Internal standard sampling
- Memory stores 10 different methods
- Variable fill and injection speed allows for wide range of sample viscosities
- Sampling system eliminates air bubbles
- Programmable sampling and injection speeds
- Variable syringe size from 1 ul to 10 ml (large volume version)





HT300A is available with a 10 position fixed tray (Pocket) or with a 110 position rotating tray for 2 ml or 2.5 ml vials (Daisy Wheel). Syringes of 1 to 100ul may be used with the option of a special large injection version of up to 10 ml per sample.

The automatic injection sequence may have up to 15 steps which can be programmed to include:

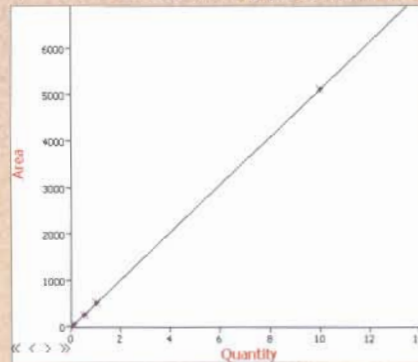
- First sample of group
- Last sample of group
- Analytical method
- Number of injections for each sample
- Pre-and Post washing solvent position
- Internal Standard position (if used)

HT 300 is compatible with most major data systems

The HT300A is compatible with HP Chemstation, Chemserver, TurboChrom, EZ-Chrom, Chromeleon and other leading brands of software.

This means that not only can the HT300A be mounted on most types of GC in your laboratory but it can also be controlled by your data system.

Graph showing the excellent linearity of the HT300A
To test the linearity of the system 4 samples were injected and the total areas calculated to measure the injection volume.
The sampler shows excellent linearity (0.999999) in the range tested.



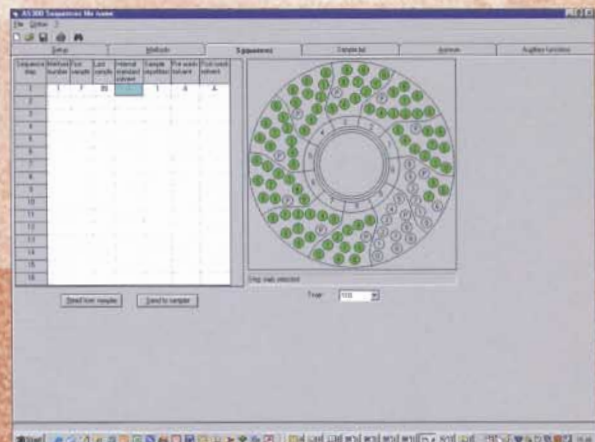
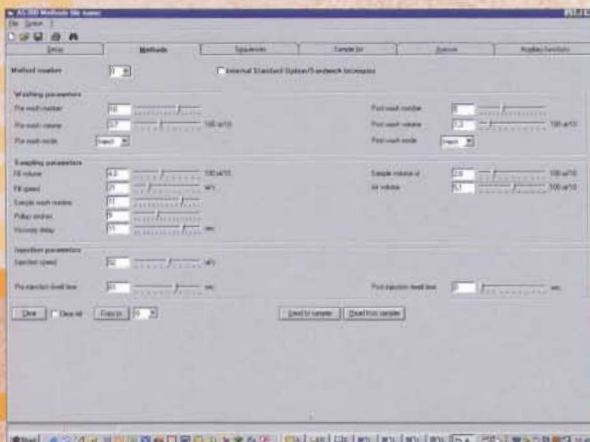
HP 5890 Autosampler Replacement

The HT300A now offers HP5890 users a simple and cost effective way to replace their old autosamplers without replacing the complete GC system

The HT300A is code for code identical to the HP7673 autosampler and is fully compatible with Chemstation and ChemServer.

- No requirement to eliminate a good GC
- Direct replacement gives identical results with the same methods
- No re-training required - minimum expense and downtime
- Fully compatible with HP6890 for easy migration at a later date

Comsoft is a graphical user interface for programming the HTA autosamplers. It can be used to set up and store method and sample sequences, generate sample lists, print autosampler parameters



HT300A GC A



HT300A System Specifications

Specifications	Syringe sizes	1, 10, 25, 50, 100ul 10 ml (large vol version)
	Tray capacity	110 Vials 2 ml or 2.5 ml
Sampling	Sample Volume	Steps of 0.1ul
	Air Volume	Steps of 0.1ul
	Aspirating Speed	0.1ul - 100ul/sec
	Needle Washing	Up to 15
	Air Bubble Removal	Up to 15 strokes
	Viscosity Time	1-60 secs
Injection	Injection speed	0.1 to 100ul/sec
	Waiting time before & after Inject	1 to 60 sec
	Injection Depth	Variable
	Waiting time pre/post injection	1 to 99 sec
Internal Standard Technique	IS Volume	Steps of 0.1ul
	Air Gap Volume	Steps of 0.1ul
	Mode	1 or 2 air gaps
Control	Electrical Control	RS232 and TTL
Dimensions	L 420 mm, H 520 mm, D 400 mm, Wt 9.0 kg	
	L 270 mm, H 520 mm, D 400 mm, Wt 8.0 kg (Pocket)	

HTA is currently focused on applications and solutions for analytical chemistry and life science automation. Our latest products include robotic systems for sample handling and preparation in the following fields:

- life science automation
- laboratory automation
- analytical instruments

YOUR LOCAL DEALER:

Schambeck SFD GmbH
Rhöndorfer 51
DE- 53604 Bad Honnef
Phone: ++49-2224-9239-0
Fax: ++49-2224-9239-20
Internet: www.schambeck-sfd.com
e-mail: mailto@schambeck-sfd.com



HTA - the company

HTA is an Italian design and engineering company, based in Brescia. HTA design and manufacture scientific instruments, and industrial automation. It is currently focused on applications and solutions for analytical chemistry and life science automation.

In addition, HTA offers engineering consultancy services for research, development, pre-production and manufacturing.