HT3200A

Top class GC autosampler

Establishing new standards for liquid autosamplers.

HT3200A has been engineered for **maximum performance and reliability**. The new system takes advantage of today's latest technology to deliver even greater reliability, performance, as well as offering an extraordinary GLP experience.

The **HT3200A** has a **top class sample capacity**: no other offers so many samples with near-to-**zero bench space** requirements. Due to its 209 2mL sample vials, the **HT3200A** is setting a new standard in the market.

Samples are organised in two racks that can be easily removed for sample loading or preparation, or to be stored elsewhere. An **integrated Bar Code Reader** can be available with every **HT3200A** unit, offering full and detailed sample tracking.

The **HT3200A** features the innovative **SyringeID**, a proprietary technology[1] based on RFID tags. The SyringeID is able to **identify syringes** in an univocal way; thereby preventing errors when mounting a syringe, preventing syringe volume mismatching and keeps track of the syringe consumption (preventive maintenance counters). The SyringeID system is able to provide you with a level of confidence never previously achieved by identification systems based on syringe carriers.

The **HT3200A** **can be easily installed on all the GC and GC/MS systems** available in the market, because of flexibility and modular configuration. It can be configured to **serve up to two injectors** in the most of the supported GCs.

The self-aligning "plug and play" **HT3200A** mounts in seconds, without tools. It can be easily moved between GCs when workloads change, due to its easy positioning, repositioning and easy removal.

HTA - Sampling for science

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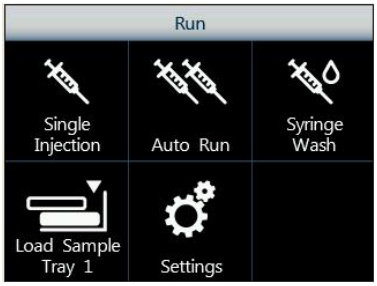

Easy to use: Just load the samples and run the analysis with no extra downtime.

A large, full-color **touch screen interface** provides easier system accessibility and usability. The touch screen eliminates drilldown, simplifying instrument control for both novices and experienced users.

The **HT3200A is the fastest liquid autosampler available** on the market: injection is performed in less than 100ms. Fast-injection technology ensures the best possible peak shape, while maximising the accuracy of your results.

The greater solvent capacity means longer unattended operations. The autosampler supports the use of six solvent vials of 10ml each, giving a total capacity of 60ml.

Furthermore, advantage can be taken of the **double wash step capability**: as pre- and post-wash solvent in addition to A, B… F solvents you can also choose for a combination of A+B, A+C…. F+E solvents for superior analytical performance (carry-over adverse!).

The **HT3200A** also handles the **most sophisticated sampling techniques**, including the internal standard technique (also known as sandwich injection), multi-phase, ambient headspace, priority injection, nano-litre injection and much more. **Parameters are easily programmable** to optimise both the most convenient sampling methods for both extremely volatile or viscous samples and the best injection technique.

The **HT3200A** can help to process samples more quickly and to access better data. It can also mount **different types of syringes**, with volumes from 0.5 to 100µl.

HT3200A offers **syringe illumination** to always keep the sample under control, in order to check against air bubbles in method validations.

The rotating tower leaves the injector port free for manual injection or maintenance. The sample racks are mounted away from the GC oven to prevent exposure to high temperatures, which could cause degradation or condensation in the sample vial.

The **HT3200A** can be also controlled by a PC using the ***HTA Autosampler Manager.***

HT3200A Technical specifications

General features

Syringe volume:	0.5, 1, 5, 10, 25, 50 and 100µl
Tray capacity:	2 removable racks; 209 vials, 2ml
Maintenance:	preventive counters available
Electrical control:	LAN and TTL; optional: RS232
Syringe area illumination:	yes (programmable)
SyringeID:	included

Filling

	as low as step of 0.1µl
Sample volume:	as low as step of 0.1µl
Air volume:	1-100µl/sec
Filling speed:	0-15s
Viscosity delay:	up to 15 pull up strokes
Bubble elimination:	

Injection

Injection speed:	1-100µl/sec
Injection depth:	programmable
Pre and post inj delay:	0-99s

Washing

Type:	pre-injection, sample, post-injection
Solvent capacity:	6x10ml vials
Mode:	single or double wash

Internal standard technique

IS volume:	as low as step of 0.1µl
Air gap volume:	as low as step of 0.1µl
Mode:	1 or 2 air gaps

Physical features

Dimensions (WxHxD)[2]:	280x570x320mm
Weight:	9.2kg
Power supply:	100-240±10%Vac; 50-60Hz; 60VA

[2] *tray in closed position*

[1] *Patent pending*

HTA, the company

HTA is one of the leading Italian scientific instrument engineering and manufacturing companies. We are currently focused on applications and solutions for analytical, life sciences and clinical chemistry automation. Our specialisation is in robotic systems for sample management; among our most popular products are the GC and HPLC autosamplers and preparative workstations. In addition, HTA offers engineering and manufacturing consultancy services for its OEM customers.
HTA's quality management system is certified UNI EN ISO 9001:2008.

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