



HT3200A

Top class GC autosampler

Establishing new standards for liquid autosampler



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

Top class sample capacity: none offers so many sample with near to **zero bench space** requirements. By its 209 2mL sample vials, **HT3200A** is setting new standard in the market.

Samples are organized in 2 racks that can be easily removed for sample loading or preparation, or to be stored elsewhere.

Integrated Bar Code Reader may be available with every **HT3200A** unit, offering you full and detailed sample tracking.

HT3200A features the innovative **SyringeID**, a proprietary technology^(*) based on RFID tags. SyringeID is able to **identify syringes** in an univocal way: thereof it prevents errors when mounting a syringe (i.e.: no syringe volume mismatch possible) and keeps track of the syringe consumption (preventive maintenance counters). The SyringeID system is able to provide you with the level of confidence you have never got

by the identification systems based on syringe carrier.

HT3200A can be easily installed on all the GC and GC/MS systems available on the market through its flexibility and modular configuration. It can be configured **serving up to two injectors** in the most of the supported GC.

The self-aligning "plug and play" **HT3200A** mounts in seconds without tools. It can be easily moved between GC when workloads change (easy positioning & easy removal/repositioning).

HTA - Sampling for science

www.hta-it.com



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

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

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 maximizing the accuracy of your results.

The greatest solvent capacity means longer unattended operations. The autosampler supports the use of 6 solvent vials of 10ml each (total capacity: 60ml).

Furthermore you can take advantage from 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!).

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

HT3200A can help you process samples more quickly and get better data too. It can mount **different types of syringes** with volume from 0.5 to 100µl.

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

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

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 preventive counters available
Maintenance: LAN and TTL; optional: RS232
Electrical control: yes (programmable)
Syringe area illumination: yes (programmable)

Filling

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

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)**: 280x570x320mm
Weight: 9.2kg
Power supply: 100-240±10%Vac; 50-60Hz; 60VA

(**) tray in closed position

(*) Patent pending

HTA,
the
company

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



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