



# DS3200A Top class GC autosampler

Establishing new standards for liquid autosamplers.



**DS3200A** 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 **DS3200A** 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 **DS3200A** 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 **DS3200A** unit, offering full and detailed sample tracking.

The **DS3200A** features the innovative **SyringeID**, a proprietary technology<sup>1</sup> 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

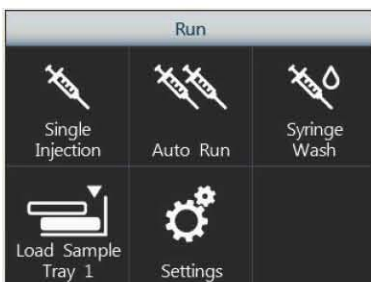
achieved by identification systems based on syringe carriers.

The **DS3200A** 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" **DS3200A** mounts in seconds, without tools. It can be easily moved between GCs when workloads change, due to its easy positioning, repositioning and easy removal.

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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 **DS3200A 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 **DS3200A** 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 **DS3200A** 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.

**DS3200A** 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 **DS3200A** can be also controlled by a PC using the **DSS Autosampler Manager**.

## DS3200A 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

Sample volume: as low as step of 0.1µl  
 Air volume: as low as step of 0.1µl  
 Air flow: 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 (WxDxH)<sup>2</sup>: 280x570x320mm  
 Weight: 9.2kg  
 Power supply: 100-240±10%Vac; 50-60Hz; 60VA

<sup>2</sup> tray in closed position

<sup>1</sup> Patent pending

Distributed by:

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