

Press Release

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New:

Headspace sampler for GC and GCMS systems

Reduced analysis time /

Flexible method development /

Routine analyses with high reproducibility

Shimadzu, one of the world leaders in analytical instrumentation, now offers the new HT200H headspace autosampler developed by HTA (Brescia, Italy) for its GC and GCMS systems. HTA is a leading company in the development and manufacture of high-tech accessories for scientific instruments.

Compact system

The compact HT200H autosampler can be installed onto Shimadzu's GC-2010 and GC-1014 systems as well as all GCMS-QP2010 series instruments. The sample tray of the HT200H can store up to 40 standard headspace vials with volumes of 10 or 20 mL. Sample incubation can take place at six positions simultaneously. Reaching of equilibrium is accelerated by additional agitation. Based on overlapping incubation times, injection of the next sample can start immediately after the previous GC analysis is completed. In this

way, analysis times are greatly reduced. For transfer of the sample vials, the HT200H utilizes a gripper. In this way, it is possible to use vials with crimped aluminium caps.

Flexible method development

Tubing, dead volume and sample adsorption are eliminated in this syringe based headspace autosampler. Depending on the application, the HT200H uses heated syringes with a volume of 2.5 or 5 mL for sample injection.

A temperature range of between 40 and 50 °C for syringe heating as well as sample incubation, offers great flexibility during method development. After injection, the syringe is purged with an inert gas. The swivel-mounted head design allows the injection port to be used for manual injection at any time.

Straightforward operation

The HT200H is easy to install. It is operated via a user-friendly keypad and a large LED display which greatly simplifies programming. In addition, the HT-COMSoft operating software is available as an option.



Caption: HT200H headspace sampler

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