

DYNAMIC HEADSPACE AUTOSAMPLERS 2010H AND 2110H



KEY FEATURES:

- Robustness, reliability and sensitivity
- Easy to start and operate
- Accessible sample path for easy maintenance
- Two models available to better match your needs

ROBUST, RELIABLE AND SENSITIVE

The **2010H** series combine the **robustness and reliability** that have always distinguished HTA autosamplers, with the **sensitivity** of the dynamic headspace sampling (DHS).

HTA dynamic headspace autosamplers are typically associated with **electronic noses**, Ion Mobility spectrometers (**IMSs**) or **micro-GCs**, for which assure an **actual walk-away automation**.

OPERATIONS: HOW IT WORKS

The robotic vial processing operation allows for sample analysis in a straightforward and systematic way. The sample vial is transported from the rack into the heated oven, where the **sample is simultaneously heated and shaken** to facilitate the state change and to reach equilibrium. After a defined time, when the analyser is ready, the **doubleneedle set** is inserted into the vial. The headspace is continuously swept with an inert sample gas that is routed through the appointed analyzer by the dedicated transfer line.

After the preset sampling time, the autosampler removes the needle pair from the sample vial, that is subsequently brought back to its original position in the rack.

The autosampler is able to **anticipate sample preparation to improve the laboratory throughput**. In fact, in case the combination of the analysis time, the incubation time in the autosampler oven and the sampling time within the vial will allow it, the autosampler will take automatically care to load the next sample vials in the oven, to start the incubation of the subsequent vials during the analysis of the previous one.

EASY TO START, OPERATE AND MAINTAIN

Easy to start and operate. According to

with a **high-quality touchscreen** that provides the best system accessibility and usability or, as alternative, with a convenient start-stop keypad for a quick single-button approach. Both the touch screen and the keypad are designed to extremely simplify instrument control for novices and experienced users.

2010H series can be also controlled by a PC with optional **HTA Autosampler** Manager software, available in standard or CFR 21 Part 11 version (see the dedicated brochure for additional information). The HTA Autosampler Manager enables convenient method



Easy to maintain. Sample path can be easily accessed allowing for troublefree maintenance.

CHOOSE THE VERSION THAT BETTER MATCHES YOUR NEEDS

The HTA dynamic headspace autosamplers are available in two main versions. The 2010H model includes 42 positions for 6/10/20ml

vials, representing the ideal solution for standard and even high throughput laboratories. The heated oven accommodates 6 samples **simultaneously**, allowing to maximise the sample overlap for the highest productivity.

The second available solution is the **2110H** model, that is the best fit for labs running small batches of samples. The 2110H offers automated processing of up to 14 samples, with the vials lifted individually into the heating zone for agitation and conditioning.



Vial loading in the oven





Sampling



Vial unloading after sampling



ICATIONS			
preventive counters; predictive maintenance functionalities by AI LAN and TTL Yes 14 vials (20ml); optional: 10ml 42 vials (20ml); optional: 6 and 10ml (1 removable rack) 1 (2110H) 6 (2010H) off; 28-150°C (2110H) off; 28-150°C (2110H) off; 28-170°C (2010H) sussultatory (2110H) orbital (2010H) from very low to very high on/off 0-9.9min 0-999min	Physical fe Dimensions Weight: Power supple Software HTA Monitor HTA Autosan HTA Monitor Software:	eatures (WxHxD): y: : npler Manager: or PC requirement • Microsoft Windo PC Edition only • PC is expected t (unless different • Additional requi • Additional requi	280x640x320mm (2110H) 330x640x320mm (2010H) ¹ 8.0kg (2110H) 10.0kg (2010H) 100-240±10%Vac; 50-60Hz; 60W (2110H) 120W (2010H) included for free virtual Touch Screen and AI functionalities 60-days free trial full autosampler PC programming ts boxs 7, Windows 8.1, Windows 10, Windows 11 (excluding mobile devices and appliances) to run Windows OS with the latest update installed tly specified) ired software: Microsoft .NET Framework 4.5.2 ccount for software installation only installation): 6GB mum lities require Internet access
tion respective owners.	Some fur • progr • some It is not r The PC is	nctionalities require t ressive mode and CFF e AI functionalities re- required to have HTA s required for setup, s	the usage of HTA software: R 21 Part 11 require HTA Autosampler Manager quire HTA Monitor Monitor and CDS on the same PC. service and programming 2110H.
		Distributed	by:

HTA s.r.l.

via del Mella, 21 - 25131 Brescia - ITALY T: +39 030 3582920 www.hta-it.com | enquiry@hta-it.com

TECHNICAL SPECIFICATIONS

General features Maintenance:

Electrical control: Target illumination:

Tray capacity 2110H: 2010H·

Conditioning Oven positions

Oven temperature:

Shaking method:

Shaker speed: Shaking cycles: Incubation time:

Sampling DHS time:

Transfer Line Room Temperature

¹ Tray and oven cover in closed posi

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