Sage Gas Autosampler

High-precision, automated gas and isotope sample analysis

PICARRO

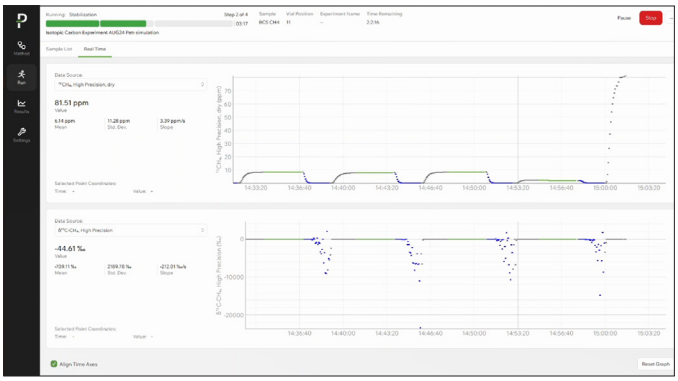
- Automated operation simplifies gas sample analysis
- High-capacity 150-vial rack for 12mL headspace vials boosts throughput
- Seamless integration with Picarro analyzers streamlines workflow
- Software compatibility ensures efficient, user-friendly data analysis

The **Picarro A0344 Sage** gas autosampler is an advanced solution designed to automate the measurement of greenhouse gas (GHG) concentrations and stable isotope ratios in small discrete gas samples. It addresses the need for high-precision, low-maintenance systems in GHG and isotope analysis, making it the ideal tool for researchers who require efficiency and reliability.

This autosampler offers automated operation, working seamlessly with a variety of Picarro gas analyzers to ensure accurate, high-quality results. The 150-position vial rack, compatible with 12mL headspace vials, allows for high-throughput sample analysis, making it a practical choice for labs handling large volumes of samples.

The Sage is fully integrated with Picarro's suite of analyzers, creating a seamless workflow from sample introduction to data acquisition. The system's intuitive software allows for automated data analysis and easy export of results, accelerating the data review process. Additionally, the real-time preview feature provides immediate visualization of processed data, enabling researchers to quickly assess the results and make informed decisions.

By simplifying the entire workflow, from sample handling to data analysis, the Sage enhances lab efficiency while maintaining the precision required for advanced GHG and isotope measurements.



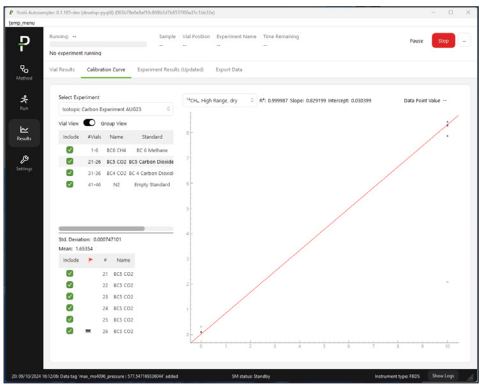


Figure 1 - Powerful new software tools generate real-time data visualizations, calibration curves, and other actionable data for faster, easier sample analysis and interpretation.

A0344 Sage System Specifications	
Parameter	**Notes**
Maximum Number of Vials	150
Needle	Picarro recommends BD PrecisionGlide™ 22 G X 1" Hypodermic Needles. Equivalent syringes from other manufacturers may be used.
Vials	Labco 12mL Exetainer vials
Software	On board software ensures seamless operation, automated data analysis, and real-time preview
Operating system	Compatible with Windows 10, Windows 11, and Linux Ubuntu 20.04
Dimensions	17" w x 13" h x 12.2" d (43.3 x 33.2 x 30 cm) not including 0.25" feet Back clearance: 2.5" (65 mm)
Weight	24.5 lb. (11.1 kg)
Electrical	Voltage: 24 VDC Current: 1.5 A
Power Requirement	Voltage Range: 90−264 VAC Frequency: 47−63 Hz Note: Only use power adapter supplied by Picarro
Operating Temperature	4°C to 40°C
Storage Temperature	4°C to 50°C
Relative Humidity	10% to 75% non-condensing

Compatible Analyzers	
Model Number	**Gases Measured**
G2131-*i*	$\delta^{13}C$ in CO_2
G2201-*i*	$\delta^{13}C$ in CO_2 and CH_4
G2210-*i*	$\delta^{13}C$ in CH_4, CH_4 and C_2H_6
G2401	CO_2, CO, CH_4, H_2O
G2508	N_2O, CH_4, CO_2, NH_3, H_2O
G5131-*i*	$\delta^{15}N$ and $\delta^{18}O$ in N_2O
PI5131-*i*	$\delta^{15}N$ and $\delta^{18}O$ in N_2O
G5310	N_2O, CO, H_2O
PI5310	N_2O, CO, H_2O

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3105 Patrick Henry Drive, Santa Clara, CA 95054 USA | +1 408-962-3900 | sales@picarro.com | picarro.com