



# 7032A

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## Autosampler

*An Ideal Solution for Canister and Tedlar® Bag Analysis.*



See What's Really There™

## 7032A Autosampling System

A flexible and reliable automated solution for canister and Tedlar® bag analysis by GCMS.

The 7032AQ / 7032AB Autosampler automates the introduction of up to 21 MiniCans™, Bottle-Vacs™, or Tedlar® bags into the 7200 Preconcentrator. The 7032A(x) is ideal for gas-phase volatiles applications where concentrations are expected to be within 0.5–200PPBv. For higher concentrations, a loop injection valve can be added (7032AQ-L, 7032AB-L) to allow much smaller volumes to be accurately measured. With the loop injection valve installed, these autosamplers can attach directly to a GCMS without the need for preconcentration. For wider dynamic ranges in concentrations (0.05–100,000PPBv), a 7650 Autosampler is recommended to reduce exposure times to inlet lines.

### Complete Automation for Canister and Tedlar® Bag Analysis. Choose the system that is perfect for your application.

The 7032A(x)-L autosampler provides 21-position loop injection automation for GCMS analysis of 0.1–200PPM VOCs sampled into Bottle-Vac™ samplers or 400mL – 1.4L MiniCans™. Two versions make it simple to order an autosampler that is configured for either MicroValves™ (7032AQ-L) or Tedlar® Bags (7032AB-L). The 7032A(x)-L can be attached directly to a GCMS with an optional cryofocuser for maximizing the resolution of light VOCs for loop sizes over 0.25cc. An electronic flow controller allows programmable splitting of sample or standards to effectively reduce volumes injected on-column.

The 7032A(x)-L supports spiking of surrogates directly into each canister before analysis, greatly enhancing the reliability and defensibility of the generated data. The 7032AB-L features hand-tightened thumbwheels for easy, tool-free connection to Tedlar® bags with 3/16" sampling ports.

Detection limits that are possible with the 7032A(x)-L autosamplers are ultimately analyzer dependent. Newer mass spectrometers are capable of detecting VOCs down to 10–20PPB using 1.0cc loop injection and cryofocusing.

#### Applications

- Stack Gas / Refinery Gas / Sewer Gas
- Landfill Gas / Soil Gas / Vapor Intrusion
- Indoor Air Quality / Site Investigation
- Industrial Hygiene / Personal Monitoring
- Materials Offgassing / Tank Headspace
- Mold Microbial VOC Detection



7032AQ Autosampler shown with MiniCans™ and Bottle-Vac™ Canisters

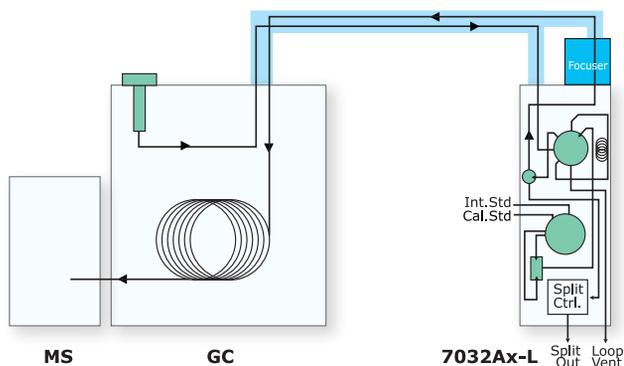


Tedlar® Bag Fittings on 7032AB Autosampler



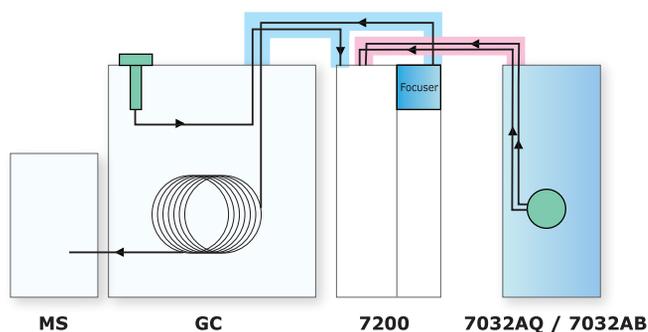
7032AQ Autosampler shown with large canister extension fittings

## 7032A Autosampler Features & Connection Options



### Loop Injection (Direct to GC or GCMS)

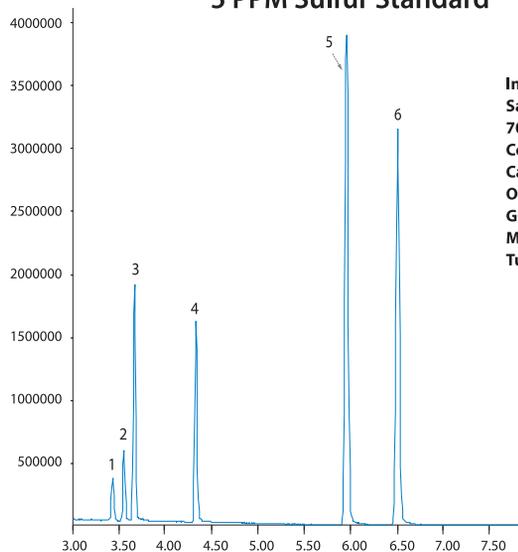
- 0.1 PPM to % Level Analysis
- Sample Volume Flexibility  
*Adjusted by changing loop or using split option.*
- Focusing Option Available  
*When analyzing highly volatile compounds at 0.05–0.5 PPM.*
- Applications:  
*Industrial Hygiene, C<sub>1</sub>–C<sub>12</sub> HCs by GC/FID, Process Gas, Permanent Gases by GC/TCD.*



### 7032AQ / 7032AB Features

- Automated Analysis  
*21 MiniCans™, Bottle-Vacs™ or Tedlar® Bags in any order, including replicates (10 – 1000cc).*
- Back-Flushing of Each Line After Analysis  
*Utilizing automated software control.*
- Silonite™ Coated Transfer Lines  
*Inert flowpath for excellent transmission of compounds and minimal carryover.*

### 5 PPM Sulfur Standard



**Inlet:** 7032A-L  
**Sample Size:** 1.0cc  
**7032A-L Split Ratio:** 10:1  
**Column:** HP1, 60m, 0.32mm ID, 1µm film  
**Carrier:** He, 1.5cc/min. constant flow  
**Oven Temp:** 35°C 9 min., Isothermal  
**GCMS:** Agilent 5973  
**MS Operation:** 33–270 amu, 3.1Hz, EI, EM=0 Rel.  
**Tune:** BFB

1. CO<sub>2</sub>
2. Hydrogen Sulfide
3. Carbonyl Sulfide
4. Methyl Mercaptan
5. Dimethyl Sulfide
6. Carbon Disulfide

Expand your  
Canister Analysis  
Capabilities!

Call Us Today to Learn More!





**7200**  
Preconcentrator



**7650**  
Canister Autosampler



**7016D**  
Canister Autosampler



**5400B**  
Thermal Transfer System



**3108D**  
Canister Cleaning System

*The Recognized Global Leaders  
in Environmental Air Analysis.*



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