



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



Tedlar® Bag Fittings on 7032AB Autosampler



7032AQ Autosampler shown with large canister extension fittings

## Applications

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

# 7032A Autosampling Systems

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

The 7032AQ / 7032AB Autosampling system automates the introduction of up to 21 MiniCans™, Bottle-Vacs™, or Tedlar® bags into a 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 a loop injection valve installed, these autosamplers can easily attach directly to a GCMS without any need for preconcentration. For wider dynamic ranges in concentrations (0.05–100,000PPBv), a 7650 Autosampler is recommended to minimize exposure times to inlet lines.

The 7032A(x)-L autosampler provides 21-position loop injection for automated GCMS analysis of 0.1–200PPM VOCs sampled into Bottle-Vac™ samplers or 450mL–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 maximum resolution of light VOCs for loop sizes over 0.25cc. A 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 reliability and defensibility of the generated data.

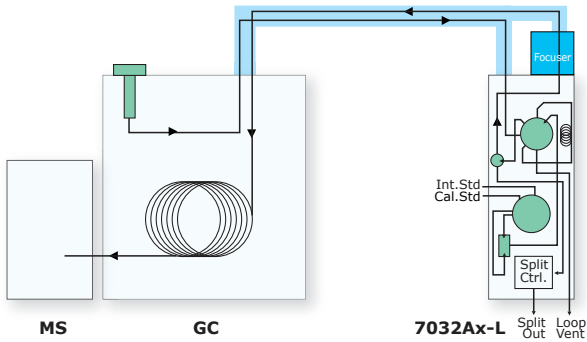
The 7032AB-L features hand-tight thumbwheels for easy, tool-free connection to Tedlar® bags with 3/16" sampling ports.

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.

DESCRIPTION	PART #	UNIT
<b>7032AQ</b> – Micro-QT™ System (w/Heated Transfer Line, 2m SL2A USB cable) - Canisters Sold Separately.	7032AQ	EA
<b>7032AB</b> – Tedlar® Bag System (includes 3/16" fittings) - Tedlar® Bags not included	7032AB	EA
<b>7032AB-L*</b> – Tedlar® Bag / Loop (includes 3/16" fittings) - Tedlar® Bags not included	7032AB-L	EA
<b>7032AQ-L*</b> – Micro-QT™ / Loop (w/Heated Transfer Line, 2m SL2A USB cable) - Canisters Sold Separately.	7032AQ-L	EA
<b>Cryofocusing Option</b>	7032-02	EA
<b>Loop Split Option</b>	7032-01	EA
<b>Silonite™ Coated Valve</b> (for Sulfur Analysis: Silonite™ rotary valve and connection fittings)	7032-06L	EA
<b>MQT Valve for Tedlar® Bag - 7032AQ</b>	MQT-400	EA
<b>1/4" to 3/16" Reducing Ferrules</b> (for Tedlar® Bag connection: 10pk)	06-08022	10pk
<b>5m SmartLab™ II USB Cable</b>	12-51150	EA
<b>7032A – 220-240VAC/50Hz Option</b>	7032-230	EA

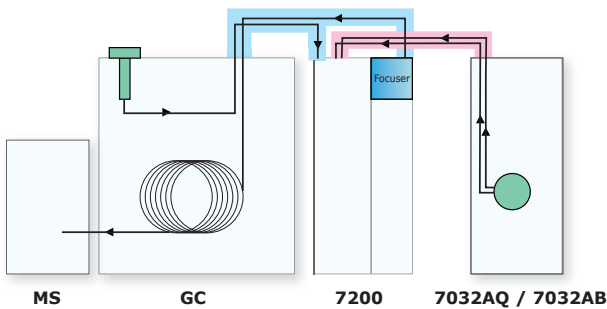
\* Specify type of GC for correct communication cable

## 7032A Autosampler Features & Connection Options



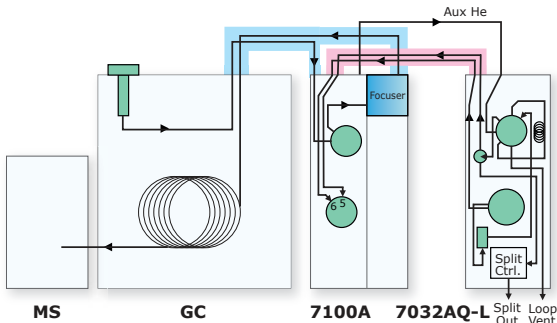
### 7032AQ-L / 7032AB-L (Direct)

- 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*
- No CO<sub>2</sub> Management
- Applications:  
*IH, C<sub>1</sub>–C<sub>12</sub> HCs by GC/FID, Process Gas, Permanent Gases by GC/TCD*



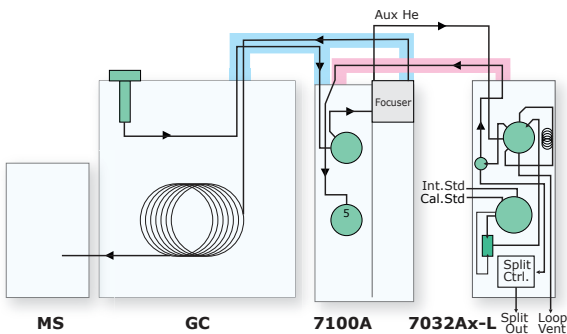
### 7032AQ / 7032AB Features

- 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 flow path for excellent transmission of compounds and minimal carryover*



### 7032AQ-L / 7032AB-L Hybrid System\*

- Addition of Loop Injection Valve  
*A separate flow path for high and low concentration samples*
- High Concentration Sample Transfer  
*To 7100A via calibrated loop injection (0.5–2cc)*
- Low Concentration Sample Transfer  
*To 7100A under mass flow control (10–1000cc)*
- Automated Addition of Surrogate Standard  
*Prior to analysis*



### 7032Ax-L / 7100A Preconcentration System\*

- Eliminate CO<sub>2</sub> Prior to Analysis  
*Utilizing 7100A's preconcentration traps*
- Share Same GC(MS)  
*For both high and low level analyses*
- Share Same Calibration Curve  
*For loop injection and mass flow controller introduced samples*
- Applications:  
*Extending TO-14 / TO-15 to PPM levels, Landfill Gas, CO<sub>2</sub> Purity*

\* This configuration is not supported with a 7200 Preconcentrator.