

High Concentration Loop Autosamplers



7032A-L
Autosampler



7032AB-L
Autosampler



Optional focusing stage improves the resolution of VOCs boiling under 50°C. Also allows operation of 7032A-L with larger loops for lower detection limits.

7032A-L, 7032AQ-L and 7032AB-L Loop Injection Autosamplers

The 7032A-L autosampler family provide 21-position loop injection automation for GC or GCMS analysis of 0.02 to >1000 ppm VOCs sampled into Bottle-Vac™ samplers or 0.4L - 1L MiniCans. Three versions make it simple to order an autosampler that is configured for quick connects (7032A-L), Micro Valves (7032AQ-L), or Tedlar Bags (7032AB-L). The 7032Ax-L can be attached directly to a GC or GCMS, with an optional cryofocuser for maximizing the resolution of light VOCs. An electronic pressure controller allows programmable splitting of sample or standards to effectively reduce volumes injected on-column. Splitting makes it possible to change the amount injected without changing loops and simplifies the generation of calibration curves from a single standard.

The 7032Ax-L supports spiking of surrogates directly into each canister before analysis, greatly enhancing the reliability (and defensibility) of the data generated. The 7032AB-L makes leak-tight connections to Tedlar bags using hand tightened torque wheels for easy, tool free connection to Tedlar bags with 3/16" sampling ports (SKC).

The ultimate detection limits possible with the 7032Ax-L autosamplers are analyzer dependent. Newer mass spectrometers are capable of detecting VOCs down to 10-20 ppb using 1.0cc loop injection and cryofocusing.

Applications:

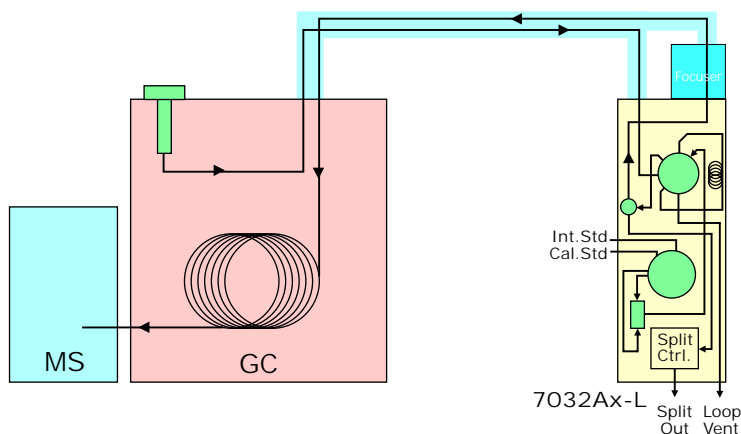
- ◀ Stack Gas
- ◀ Landfill Gas
- ◀ Soil Gas
- ◀ Indoor Air
- ◀ Site Investigation
- ◀ Refinery Gas
- ◀ Industrial Hygiene
- ◀ Personal Monitoring
- ◀ Materials Offgassing
- ◀ Tank Head Space
- ◀ Emergency Response
- ◀ Sewer Gas

Part No.	Description
7032A-L*	21-Position, Loop Inj. MiniCan™ Autosampler
7032A-LB*	21-Position Tedlar Bag Autosampler
7032AQ-L*	21-Position Bottle-Vac™ and Micro Valve AS
7032-01	Electronic Splitting Option
7032-02	Cryofocusing Option
7032-07	Seven-6L Can Interface for 7032Ax-L/7100A
30-20100	Male QC for Tedlar bag connection to 7032A-L (Requires 06-08022 Teflon® Ferrules. Sold separately.)
30-22300	Micro Valve for Tedlar Bag connection to a 7032AQ-L Autosampler (w/ 06-08022)
06-08022	1/4"-3/16" Teflon Ferrules for Tedlar Bag Connection (10/pk)
12-51120	2M SmartLab 2™ Cable
12-51150	5M SmartLab 2 Cable
90-87032L	7032A-L/LB Upgrade Kit, SL1 to SL2
7032-230	Option for 230 VAC Operation

*Specify type of GC for correct communication cable.

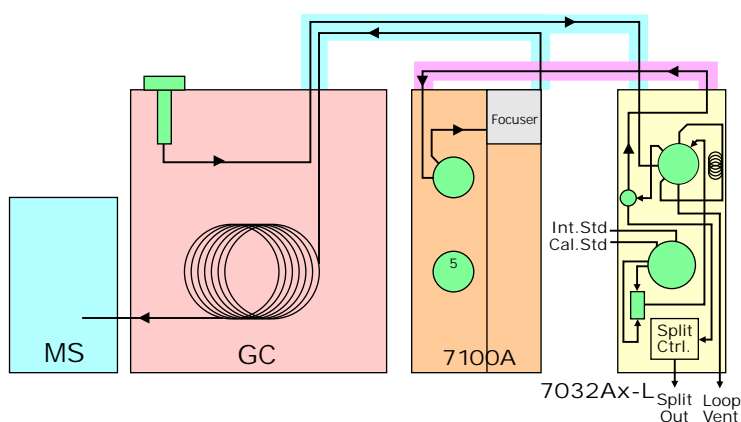
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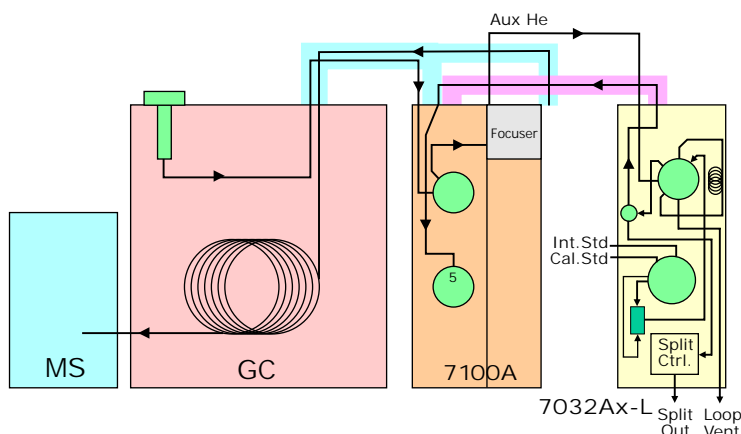
Loop Injection Direct to GC

- ◀ For 0.1 PPM to % level analysis
- ◀ Sample volume adjusted by changing loop or using split option
- ◀ Focusing option available when analyzing highly volatile compounds at 0.05-0.5 PPM
- ◀ No CO2 management
- ◀ Applications: Industrial Hygiene, C1-C12 HCs by GC/FID, Process Gas



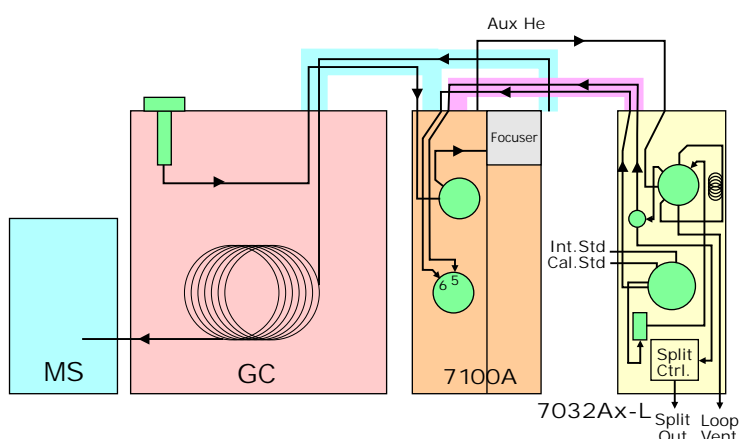
7032A-L/7100A "Focus-Only" Mode

- ◀ Utilizes 7100A's focuser prior to injection
- ◀ Used when sharing GC(MS) for both high and low level analyses
- ◀ Separate calibration curves must be generated for 7100A and 7032Ax-L introduced samples
- ◀ No CO2 management
- ◀ Applications: Industrial Hygiene, C1-C12 HCs by GC/FID, Process Gas



7032Ax-L/7100A Preconcentration

- ◀ Utilizes 7100A's preconcentration traps to eliminate CO2 prior to analysis
- ◀ Used when sharing GC(MS) for both high and low level analyses
- ◀ Loop injected and Mass Flow Controller introduced samples can use the same calibration curve
- ◀ Applications: Extending TO14/TO15 to PPM levels, Landfill Gas, CO2 Purity



7032Ax-L/7100A Hybrid Mode

- ◀ Utilizes 7100A's preconcentration traps to eliminate CO2 prior to analysis
- ◀ 12 inlets of 7032Ax-L are for loop-injection and 9 positions are for low level analysis, using separate flow paths
- ◀ Loop injected and Mass Flow Controller introduced samples can use the same calibration curve
- ◀ Applications: Extending TO14/TO15 to PPM levels, Landfill Gas, CO2 Purity