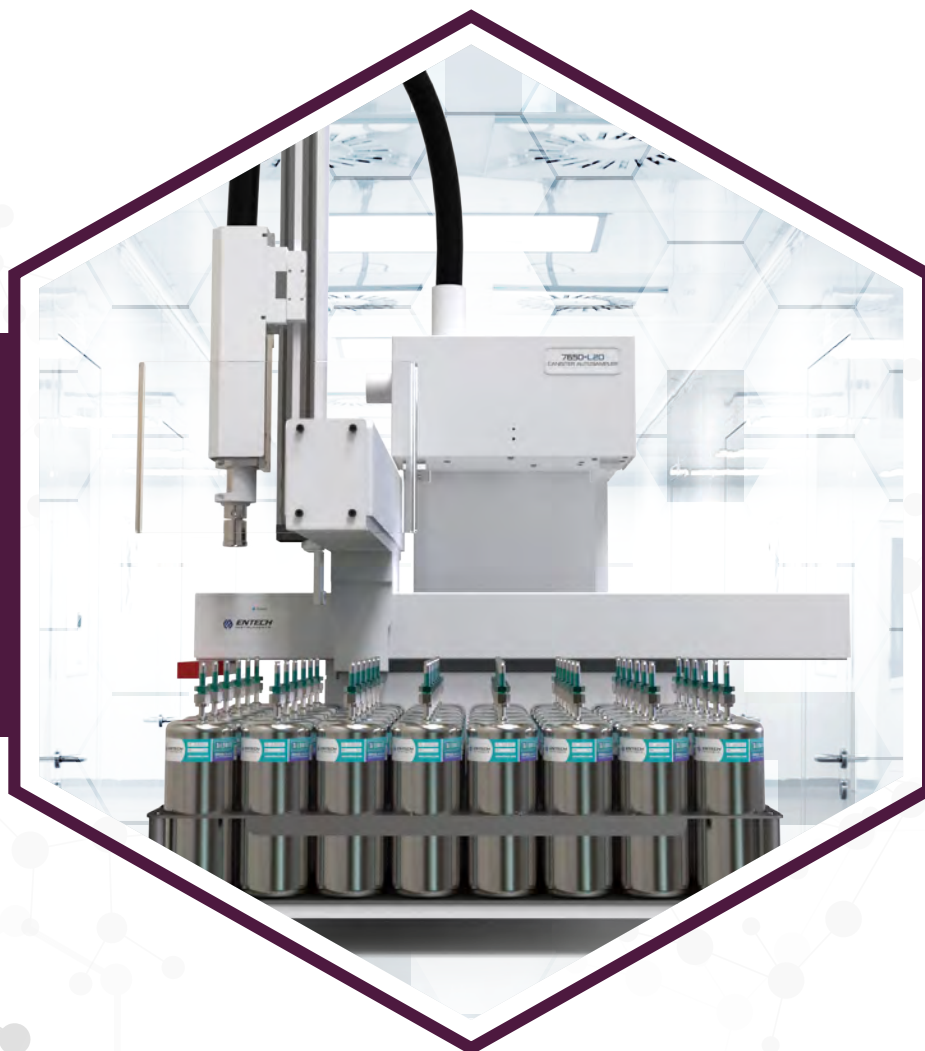




See What's Really There™

7650-L20
GC Gas Autosampler



7650-L20
GC Gas Autosampler

Permanent Gases, Volatiles, & Semi-Volatiles Automated Analysis

7650-L20 GC Gas Autosampler

Enjoy the benefits of the 7650-L20 in your laboratory:



- Automation of Tedlar bags, Silonite MiniCans, HDS Personal Monitors, and Bottle-Vac vacuum samplers.
- Permanent Gases
- Volatiles & Semi-Volatiles Analysis (C1 - C20)
- Reduced Sulfur compounds to low PPBv Levels by GC/CLD
- Single sample inlet heated up to the point of sample contact
- Elimination of multiple sample lines that can become contaminated
- Oven option to heat sample containers to increase molecular weight range recovered (MiniCans or Bottle-Vacs)

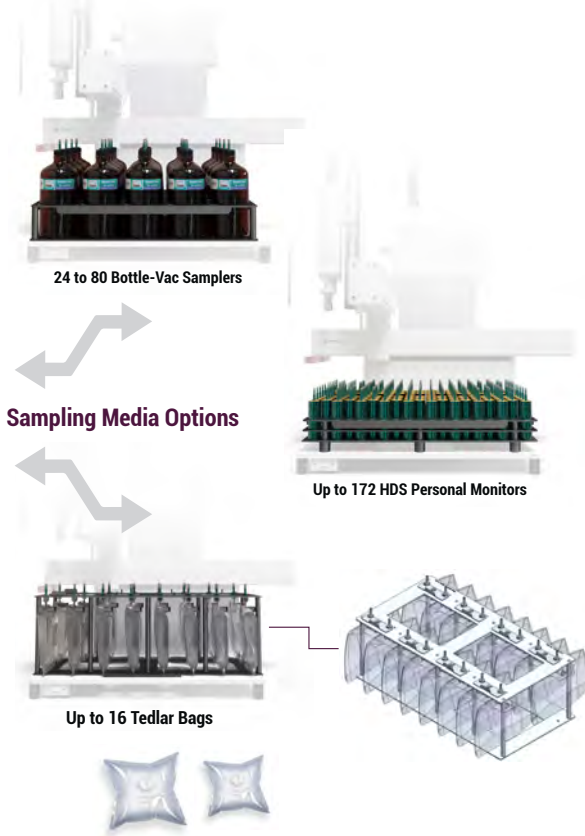
7650-L20 System

The Entech 7650-L20 is the only system handling automated injection of Tedlar bags and other gas phase samples using a single inlet robotic autosampler. The 7650-L20 can automate the analysis of up to 16 Tedlar bags, or 24 to 80 Bottle-Vac samplers or MiniCans depending on the size of the canister or Bottles. Canisters and gas sampling Bottle-Vacs can be heated prior to analysis to extend the molecular weight range of recoverable compounds, allowing a reliable way of measuring heavy volatiles or semi-volatiles. The dual loop system simultaneously injects an Internal standard along with the sample or calibration standard to support internal standard calibration methods. A 100% Silonite coated ceramic pathway ensures recovery of difficult compounds, creating the most comprehensive technique available for the quantitative measurement of organic compounds in gas phase samples. The 7650-L20 can automate the injection of gas samples to virtually all GCs by using the model specific communication cables available from Entech.

All other systems for the analysis of Tedlar bags use a rotary valve and individual lines that can suffer from contamination and carryover due to long exposure times, dead volume in connective fittings, and plastic rotors in the rotary valves. The 7650-L20 uses a single inlet that makes only momentary contact with the sample when drawing a sample through a calibrated loop for injection into a GC. This line is then immediately flushed to minimize exposure times. The unique inlet allows a 1/16" ceramic coated stainless steel tube to be inserted right into the sample fitting, called a Micro-QT valve, that is heated right up the point of sample contact. By inserting the 1/16" continuous tubing right into the sample valve on the Tedlar bag, MiniCan, or Bottle-Vac, all dead volume and cold spots are eliminated. This ensures a clean, contamination free solution well into the semi-volatiles range. Entech has perfected this technology over the past 15 years, and no other system on the market has been designed with these capabilities.



18 to 80 Minicans



24 to 80 Bottle-Vac Samplers

Sampling Media Options

Up to 172 HDS Personal Monitors

Up to 16 Tedlar Bags

7650-L20 with oven.

7650-L20 without oven.



Description	Unit	Part #
7650-L20 Autosampler	EA	7650-L20
SmartLab™ II – USB Cable (2m)	EA	12-51120
7650L-20 – 220-240VAC/50Hz	EA	7650-L20-HV

* Optional Items – Contact Entech for more information and configurations. Please specify GC type when ordering to obtain correct READY/START cable.

Description	Unit	Part #
Sample Oven	EA	HS-OVEN-407-1
Oven Reducing Bushings		
125mL Bottle-Vac Bushing	EA	19-76525
250mL Bottle-Vac Bushing	EA	19-76535
500mL Bottle-Vac Bushing	EA	19-76545
1L Bottle-Vac Bushing	EA	19-76555
50mL HDS Personal Monitor	EA	19-76565
100mL/200mL MiniCan	EA	19-76570
450mL/600mL MiniCan	EA	19-76580
1L MiniCan Extender	EA	19-76585

Height: 38" (44" height with transfer line clearance)
 Width: 23.5"
 Depth: 27"

Fuses
 120V Systems
 15A Main
 8A Heater/Valve
 240V Systems
 8A main, 6A Heater/Valve

Wattages
 125W Main Transfer line heater
 75W Gripper
 85W Mandrel/Loop
 70W 7200/GC Transfer line heater

Description	Positions	Unit	Part #
Long Sample Handling Trays – (7650)			
100mL / 200mL Silonite™ MiniCan™	53	EA	HS-LT158-053
125mL Bottle-Vac™	40	EA	HS-LT197-040
250mL Bottle-Vac™	24	EA	HS-LT248-024
450mL and 600mL MiniCan™	18	EA	HS-LT280-018
400cc Canister™	18	EA	HS-LT280-018-400
500mL Bottle-Vac™	18	EA	HS-LT301-018
1L Bottle-Vac™	10	EA	HS-LT384-010
1L-2L Silonite™ MiniCan™	10	EA	HS-LT407-010
6L Canister	6	EA	HS-FT906-06
16-Position Tedlar® Bag Tray	16	EA	HS-LTTB-016
Short Sample Handling Trays – (7650)			
HDS Personal Monitor Tray	50	EA	HS-ST119-050
20 /40 /60 Vials	50	EA	HS-ST115-050
100mL / 200mL Silonite™ MiniCan™	32	EA	HS-ST158-032
125mL Bottle-Vac™	24	EA	HS-ST197-024
250mL Bottle-Vac™	15	EA	HS-ST248-015
500mL Bottle-Vac™	11	EA	HS-ST301-011
1L Bottle-Vac™	6	EA	HS-ST384-006
1L-2L Silonite™ MiniCan™	6	EA	HS-ST407-006
Extended Sample Handling Trays – (7650)			
Silonite™ HDS™ Personal Monitor	86	EA	HS-ELT119-086
450 / 600cc Minican	24	EA	HS-ELT278-024
450 / 600cc Minican	24	EA	HS-ELT280-024
1L Bottle-Vac™	12	EA	HS-ELT384-012
1L-2L Silonite™ MiniCan™	12	EA	HS-ELT403-012



7200

Preconcentrator



4700

Precision Diluter



7016D

Canister Autosampler



5400B

Thermal Transfer System



3108D

Canister Cleaning System

*The Recognized Global Leaders
in Environmental Air Analysis.*

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7650-L20 GC Gas Autosampler –190214- 5.0