



Agilent 7694E Headspace Sampler

Ordering and Specifications



Ordering Information

Description	Model/Part No.
Headspace Sampler	
Built-in manual pressure and flow control; designed for GC inlets* with manual pressure/flow control. Carrier gas and vial pressures digitally displayed; setpoint and actual temperatures shown on the 20-character display. 12-vial sample capacity.	G1883A
Includes:	
<ul style="list-style-type: none"> Remote start/stop "Y" cable to interface to both Agilent 4890 GC, 5890 GC and Agilent 3394/5/6/7 integrators 	03394-60610
<ul style="list-style-type: none"> Vial ID cable for Agilent 3395/6/7 integrators 	G1290-6060
<ul style="list-style-type: none"> General-purpose GC remote start/stop cable 	500-024-HSP
<ul style="list-style-type: none"> 10-mL vials, 20-mL vials, septa, caps (50 ea), and Agilent crimper (1 ea) 	
Accessories Available	
<ul style="list-style-type: none"> Remote start/stop cable for the Agilent 6890 GC 	G1290-60575
<ul style="list-style-type: none"> Vial ID cable for Agilent 3392/3 integrators 	G1290-60610
<ul style="list-style-type: none"> Table to support unit above an MSD attached to the GC 	G1287A
Consumables	
<ul style="list-style-type: none"> Kit of vials, safety caps, and septa (for use at temperatures up to 125 °C), 144 ea 	5182-0839
<ul style="list-style-type: none"> Kit of vials, safety caps, and septa (for use at temperatures above 125 °C), 144 ea 	5182-0840
Manual Kit	
Operating, Installation, and Illustrated Parts Breakdown manuals	G1883-60500

* The built-in pressure controller and/or flow controller may be bypassed for full or partial external control by EPC systems of an Agilent GC.



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Specifications

Sample Handling

Carousel: holds twelve 10-mL or 20-mL vials at near-ambient; shaking may be Off, Low, or High in 1-min increments from 1–999 min.

Incubation: vials are individually lifted up into the heating zone for constant heating time (CHT) and immediately returned to the carousel after injection.

Vial heating: a vial can be heating during the GC run for the previous vial specified in the method.

Analysis Conditions

Vial heating: from 0–999 mins in 0.1-min increments at temperatures from 40 °C to 200 °C.

Injection volume: 1-mL standard using a gas sampling valve; a 3-mL loop is shipped with the instrument.

Valve and loop temperature range: 50 °C to 200 °C.

Transfer line to the GC, temperature range: 50 °C to 220 °C. (The line is made of nickel.)

Loop fill and loop equilibration times: settable from 0–99 mins in 0.01-min increments. (A short fill time permits injection of a pressurized sample.)



Injection time (carrier flows through loop): 0–99 min in 0.01-min increments.

Vial pressurization time: adjustable from 0–99 min in 0.01-min increments. Pressure range: 0–30 psi.

Headspace Methods

Four methods may be stored in memory and chained in sequence. A method may specify any sequential carousel positions.

A method may include automatic vial heating temperature increments or time increments (1 °C or 1-min units) to determine the optimum setting.

GC cycle time: 1–999 min. (An Agilent GC-Ready signal can be sensed or ignored.)

BCD output: provides vial number to an Agilent integrator.

Physical Specifications

Power required: 300 VA maximum

Line voltage : 115 V ± 10%, 60 Hz
220 V ± 10%, 50 Hz

Dimensions : height, 43.5 cm
width, 36 cm
depth, 39 cm
weight, 27 Kg

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