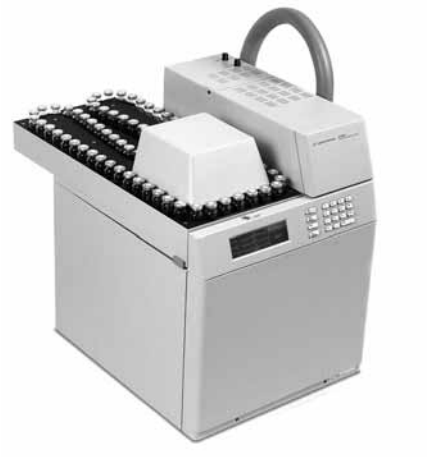
Agilent G1888 Network Headspace Sampler

Selection Guide and Specifications



Selection Information

Description		Model/Part no.
Headspace Sampler		G1888A
Seventy vial tray with optimized sample overlapping constant time thermostatting of 12 vials. Switchable of built-in pressure control or GC EPC. Deactivated sample probe, 1-mL loop, tubing, needle and 85-cm transfer line. Controlled by built-in key pad or Agilent Data System. (Add-on software order separately) LAN/RS-232 communication. Including starter kit to connect to Agilent 6890N GC and basic consumables.		
Software		G2922AA
Integrated software for co-execution control of G1888A or G1289B/G1290B headspace sampler by Agilent GC ChemStation. Requires GC ChemStation Software version 9.3 or higher (order separately).		
Cables		
Remote start/stop cable for 5890/4890GC		35900-60700
General cable for all GCs		35900-60670
Consumables		
Transfer line needle, deactivated:	0.7 mm od	2322590005
Transfer line needle, deactivated:	0.5 mm od	2322590004
Sample loop, Headspace, deactivated:	3 mL	2321700004
Sample loop, Headspace, deactivated:	1 mL	2321700003
Sample probe, deactivated		2322700011
Vial kit: 100 ea, flat bottom 20-mL crimp top, aluminum crimp caps, PTFE/Butyl septa <125 °C		5182-0839
Vial kit: 100 ea, flat bottom 20-mL crimp top, aluminum crimp caps, PTFE/Silicone septa >125 °C		5182-0840
Kit: Vial, 20-mL screw cap, clear color 100/pk		5188-2753
Screw top caps, PTFE/Silicone septa 100/pk,		5188-2759
Manual Kit		
Operating and service manual CD-ROM		G1888-90010

Agilent Technologies

Specifications

Sample Capacity

Holds 70 vials in tray. Twelve position oven for optimized sample overlapping constant time heating.

Sample Vials

Standard crimp top or screw cap vials, 20 mL, 10 mL. No adaptor required for 10-mL sample vials.

Mode of Operation

Shaking with choice of off, low, or high.

Constant heating time (CHT) mode for each sample. Overlapping up to 12 vials for maximized sample throughput

Multiple headspace extraction (MHE) mode with up to 100 extractions per vial for method development and validation or for analysis of sample in unusual matrices

Multiple headspace extraction concentration (MHC) mode, with up to 10 extractions from 1 vial made followed by one GC start after the last extraction to increase sensitivity

Zone Temperature

All temperature zones can be set off

Oven heating:	40 °C to 230 °C in 1 °C increments; 0.5–999 min in 0.1 min increments
Loop/Valve:	45 °C to 250 °C
Transfer line:	50 °C to 250 °C

Sample Pathway

Inert deactivated path from sample needle to transfer line. Transfer line length: 85 cm. Sample loop: 1 mL (standard), 3 mL (option)

Pneumatic Control

In-unit switch connection between: Built-in manual pneumatics (pressure regulator and flow controller) and GC built-in electronic pneumatic control (EPC)

Interfacing with GC

Volatile inlet (VI) or other standard GC inlet

Communication

LAN; RS-232; Remote start/stop

System Control

Control and monitoring by full function control keypad and built-in multiline display. Features:

- Parameter set up
- Store up to four user defined headspace methods (there are also five preset methods)
- Detailed power-on self test
- Built-in leak test routine
- Update firmware via LAN or RS-232
- Monitor set and actual values, as well as, operation status

GC ChemStation

Complete integration/control with the GC ChemStation, (G2070AA - A.09.03 or later) and headspace control SW (G2922AA). Headspace parameters are part of a GC method. Using a GC ChemStation sequence table to track sample from sampling to analysis. Event log function records every step of headspace events. FDA 21 CFR part 11 compliant. (Must also order ChemStation Plus Security Pack separately.)

Dimensions and Weight

Height:	55.5 cm (21.6 in)
Width:	46.0 cm (18.1 in)
Depth:	63.5 cm (25.0 in)
Average weight:	46.3 kg (102 lb)

Environmental Conditions

Operation:	10 °C to 35 °C
Storage:	–40 °C to 70 °C
Humidity:	5% to 95%
Line voltage:	100–240 V ±10%
Power required:	750 VA maximum

Safety and Regulatory Certification

- Canadian Standards Association (CSA) C22.2 No. 1010
- CSA/Nationally Recognized Test Laboratory (NRTL): UL 3101
- International Electrotechnical Commission (IEC): 61010-1
- EuroNorm (EN): 61010-1
- CISPR 11/EN 55011: Group 1 Class A
- IEC/EN 61326
- Designed and manufactured under a quality system registered to ISO 9001
- Declaration of Conformity available

For More Information

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