Agilent 8697 Headspace Sampler

Firmware Bulletin – Revision 1.6.0.5

Notices

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Agilent Technologies, Inc.
5301 Stevens Creek Blvd.
Santa Clara, CA 95051
USA

Firmware Revision

This guide is valid for the 1.6.0.5 of *Agilent 8697 HS firmware*

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1 Introduction

The purpose of this document is to provide users of the Agilent 8697 Headspace Sampler guidance to relevant support documentation that contains further levels of information and detail.

Table 1 Terms and abbreviations used in this document

Terms	Description
SSB	Software Status Bulletin
CDS	Chromatographic Data System
U	Update
SP	Service Pack
HF	Hotfix
SR	Service Release
[xx]	Final Build Numbers of a released product
DSA	Data System Adapter

For our Regulated Customers

When any change is made to Agilent software/firmware, the validation status of the software needs to be re-established by the user/customer.

Whenever software/firmware changes, a validation analysis should be conducted to validate an individual change and determine the extent and impact of that change on the entire system.

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2 Agilent 8697 HS Firmware – What's new?

What's new in 8697 HS Firmware?

- *Defects fixes and Enhancements.*

3 Compatibility

Supported Agilent Data Systems

- OpenLab CDS (2.8, 2.7)
- OpenLab CDS ChemStation Edition (LTS 01.11, C.01.11)
- GC/MS MassHunter Acquisition (13.1,10.2 SR3, 10.2)
- OpenLab CDS EZChrom Edition (A.04.10 (Update 3))

Supported Agilent GC Driver

- Agilent GC Driver (4.4.92 or later)

Supported Agilent HS Driver

- Agilent HS Driver (4.4.28 or later)

Supported Agilent GC Firmware

- Agilent GC Firmware (3.2.0.130 or later) for the 8890, 8860, and Intuvo 9000 GCs

Important Information:

1. Please use Firmware Update Utility 3.2.8.0 or newer.

Non-Agilent Chromatography Data System (CDS)

- The 3rd-party CDS software vendor is responsible for compatibility testing with the respective CDS revision.
- The 3rd-party CDS software vendor defines the minimum firmware revision required for CDS compatibility.
- The 3rd-party CDS release notes issued by the respective CDS vendor may use different terminology for the firmware requirements, such as "tested firmware," "supported firmware," "firmware requirements," "minimum tested firmware," etc.

4 Support Information

Agilent recommends using the latest firmware revision to avoid interoperability issues.

OQ/PV - Validation Information

- If a firmware upgrade has been performed, no revalidation of the module/system is normally required. This is stated in the released Service Note applicable to the release.
- In addition, this information is stated further in this document.

Agilent on the web

Visit Agilent's website for up-to-date information on Agilent Systems.

5 Resolved Issues

The current firmware for the 8697 HS is 1.6.0.5.
Released in Nov 2025
https://download.chem.agilent.com/firmware/8697_FW_1.6.0.5.tgz.gpg
To download this version, use GC Firmware Update Utility 3.2.8.0 or newer.
Updating to this firmware does not require instrument revalidation.

Service Note Number: D0139638

Table 2 Resolved Issues (8697 HS Firmware)

Issue ID	Current Behavior	Resolution
046503	8697A does not have Argon as vial pressure and carrier gas	Resolved
046725	Headspace EPC Module FW Update Support	Resolved

6 Agilent 8697 Firmware - Previous Version Changes

Previous Firmware Versions.

This section details previous versions of 8697 firmware giving release notes.

1.5.0.4 8697 HS Firmware.

Released in Jan 2025

Updating to this firmware does not require instrument revalidation.

Changes/Fixes made since the last version. (1.4.0.10):

Issue ID	Current Behavior	Resolution
044302	Aborted headspace injection leads to unnecessary "Headspace pressure pre-shutdown" warning	Resolved
045911	HS FW needs to change to support later versions of EPCs	Resolved
046379	System report "Headspace: Pressure pre-shutdown" and GC beep for few minutes during purge time with no impact to sequence run	Resolved

1.4.0.10 8697 HS Firmware.

Released in Jul 2023

Updating to this firmware does not require instrument revalidation.

Changes/Fixes made since the last version. (1.3.0.59):

Issue ID	Current Behavior	Resolution
	Initial support for 8697-XL	Resolved
041998	Use new board ID bits to implement a faster glitch filter on overcurrent detection	Resolved
044042	Tray calibration with broken axis corrupts RAM	Resolved
044071	To add 8697 oven fan check	Resolved
037180	Fan speed dependent on settings and conditions.	Resolved
043747	EPC Validation	Resolved

045128	Enable dynamic oven fan error checking	Resolved

1.3.0.59 8697 HS Firmware.

Released in Feb 2023

Updating to this firmware does not require instrument revalidation.

Changes/Fixes made since the last version. (1.2.0.36):

Issue ID	Current Behavior	Resolution
041844	Unable to move the shutter from half open to full open without having an error	Resolved
042198	If y-axis cannot reach the right rear calibration post it now return a calibration failed error	Resolved
042248	The quick calibration check at power on should return an error if one of the 3 axes is broken	Resolved
042551	The calibration status command 00AS does not work	Resolved
042587	Bryce pneumatic restriction pressure has issue	Resolved
042630	The Home check for z-axis always fails	Resolved
042631	The z-axis motor grinds at the top of the travel at power-on	Resolved
042709	Time off in Bryce tray	Resolved
042722	Tray: Calibration commands not respecting stop	Resolved
042756	Headspace tray extended calibration	Resolved
042776	Oven calibration resets the shutter offset value	Resolved
042939	The PRT being used for the chiller plate has a wide 700 deg C temperature span	Resolved
043015	The carousel power during lifter initialization was inadvertently reduced	Resolved
043053	Gripper pad maintenance flag warning came up	Resolved
043246	There is a sudden drop in the vial pressure actual while filling a vial in constant volume mode	Resolved
043311	Calibration post fail	Resolved

043315	Incorrect “tray type mismatch” error after stalling both x and z axes	Resolved
043511	A DEFOA board from ATS had incorrect EEPROM contents	Resolved
043671	In final test, we rely on the oven fan spinning by default to measure whether the fan is working properly	Resolved
043675	The Diag and ELVDS status LEDs are much brighter than the other status LEDs	Resolved
041624	Speed up tray calibration	Resolved

1.2.0.36 8697 HS Firmware.

Released November 2021

Updating to this firmware does not require instrument revalidation.

Changes/Fixes made since the last version. (Initial version):

Issue ID	Current Behavior	Resolution
042333	Left rear post calibration fails when recalibration if gripper offsets change in X or Y by large amount	Resolved
039896	Insufficient vial pressurization gas pressure fails to make Bryce “Not ready”	Resolved
040114	Park button does not work after disconnecting / reconnecting tray cable	Resolved
041035	System calibration fails with wrong vial type error during shutter offset measurement	Resolved
041045	Bryce EPC unable to reach 200ml/min of N2 below 60psi input pressure	Resolved
041070	Pressure pre-shutdown warning occurs during loop fill for constant volume of 0 ml is active	Resolved
041631	8697 Transfer Line has “Heating too slowly” error reported	Resolved

7 Changelog

Revision History

Table 19 Revision History

Revision	Release Date	What's New/What Changed
Rev 1.00	05 Nov 2025	Initial release

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