

Enables the Brevis™ GC-2050 to be Controlled by Agilent OpenLab™

Shimadzu GC Driver for OpenLab CDS



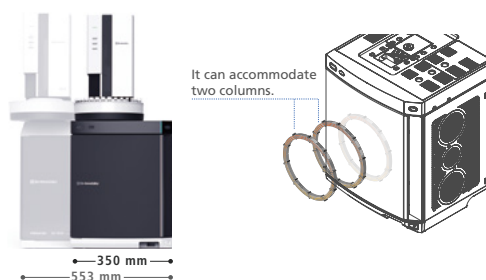
Brevis™ GC-2050



Nexis™ GC-2030

Enables Control of the Brevis GC-2050, a System that Offers Uncompromised Analytical Performance in a Small Footprint

The compact Brevis GC-2050, with a system width of 350 mm, including the autoinjector (AOC™-30i), allows for even more efficient use of lab space. Compared to the same Nexis GC-2030 configuration, the system width has been reduced by approximately 35 %. Despite its space-saving design, the GC oven design does not require a dedicated column, and general capillary columns can be used. Dual-line analysis is also supported.

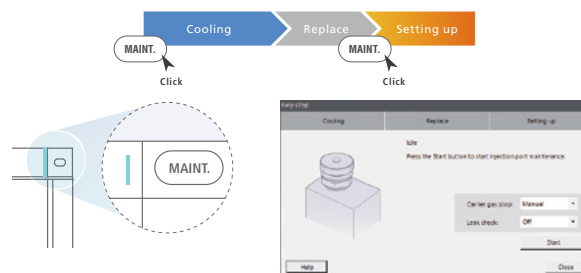


Facilitates Easy Daily Maintenance with Support for the Easy sTop Function



The GC-2050 is equipped with a function (Easy sTop) that automatically lowers the GC inlet temperature and simplifies liner (consumable) replacement by simply pressing the MAINT. button on the upper right of the GC front panel. It can also be operated from the OpenLab window, helping to ensure a convenient workflow in the lab.

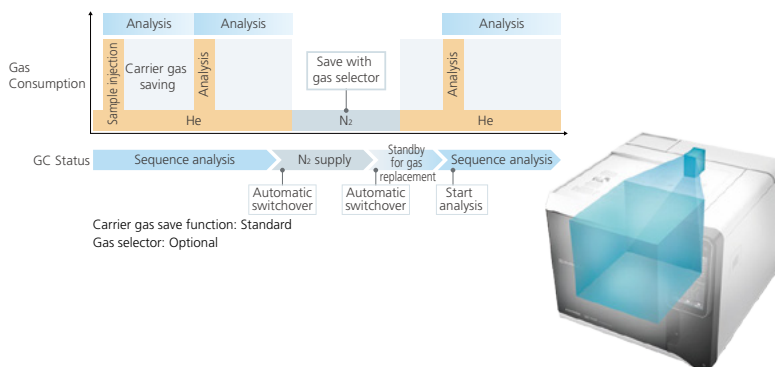
Note: Operating the Easy sTop function from OpenLab is possible with both the GC-2030 and GC-2050.



Supports Helium Gas Saving and Hydrogen Carrier Gas Usage

The GC-2030/GC-2050 can be equipped with an optional built-in hydrogen sensor to detect potential leaks early and maintain a safe standby mode. If hydrogen leakage increases, the main power is turned off to prevent accidents.

When the GC-2030/GC-2050 is equipped with the optional gas selector, the carrier gas can be switched using the analysis method or via a OpenLab window operation. Switching to an alternative carrier gas after sequence analysis is complete minimizes helium consumption.



The hydrogen sensor monitors the inside of the GC oven.

Product Lineup

Description	Versions	Versions with Functionality Verified
Shimadzu GC Driver Single for OpenLab CDS	2.40	OpenLab CDS 2.5 / 2.6 / 2.7
Shimadzu GC Driver Single for OpenLab EZChrom		OpenLab EZChrom A.04.10

- The same product is used both for standalone and network versions of OpenLab systems.
- To install the driver in an existing OpenLab system, please provide the version of applicable software and other relevant information in advance.

Controllable Hardware

GC Unit Nexis GC-2030, Brevis GC-2050, GC-2010 Plus, GC-2010, GC-2010 Pro, GC-2014, GC-2014C

Options AOC-30i autoinjector, AOC-20i (Plus) autoinjector, AOC-20s (U) autosampler, HS-20 (NX)/HS-10 headspace sampler, dual injection system

Nexis GC-2030 and Brevis GC-2050

Sample Injector	GC-2030: SPL-2030, WBI-2030, OCI-2030 (NX), PTV-2030, SINJ-2030
	GC-2050: SPL-U (1.0)
Detector	GC-2030: FID-2030, TCD-2030, ECD-2010 Exceed, FPD-2030, FTD-2030, BID-2030, SCD-2030, PTCO-2030, AD BOARD
	GC-2050: FID-U (1.0), FPD-U (1.0), ECD-2010 Exceed U, AD BOARD
Advanced Flow Technology	GC-2030: Backflush, detector splitting, detector switching, heart-cut system
Additional temperature controller	GC-2030: Auxiliary temperature control unit
Additional flow controller	GC-2030: APC(Aux 3ch), APC(Aux 1ch)
	GC-2050: APC(Aux 3ch), APC(Aux 1ch)
Options	GC-2030: Gas selector, Low-temperature control solenoid valve set: CRG-2030, External equipment control relay: PRG-2010 Plus, PRG Box
	GC-2050: Gas selector, Low-temperature control solenoid valve set: CRG-2030

GC-2010 (Plus/Pro) and GC-2014 (C)

Sample Injector	GC-2010 (Plus/Pro): SPL-2010 (Plus), WBI-2010 (Plus), OCI/PTV-2010 (Plus) GC-2014 (C) : SPL-2014, WBI-2014, DINJ-2014, SINJ-2014
Detector	GC-2010 (Plus/Pro): FID-2010 (Plus), TCD-2010 (Plus), ECD-2010 Exceed, ECD-2010 (Plus), FPD-2010 (Plus), FTD-2010 (Plus), BID-2010 Plus, AD BOARD GC-2014 (C) : FID-2014, TCD-2014, ECD-2014, FPD-2014, FTD-2014 (C), AD BOARD
Additional temperature controller	Auxiliary temperature control unit
Additional flow controller	APC (3 auxiliary channels), AMC (2 auxiliary channels) Note: AMC is an option for the GC-2014.
Options	Low-temperature control solenoid valve set: CRG-2010, External equipment control relay: PRG-2010 (Plus), PRG Box

- Up to four Shimadzu GC units can be controlled from a single computer or acquisition server (such as an AIC).
- Both the Shimadzu GC driver and Shimadzu LC driver can be installed on the same computer or acquisition server (such as an AIC).
- A Shimadzu GC system and Agilent GC system cannot be connected to the same computer or acquisition server (such as an AIC) at the same time. Provide a data acquisition server dedicated for the Shimadzu GC system separately.



- ANALYTICAL INTELLIGENCE**
- Automated support functions utilizing digital technologies, such as M2M, IoT, and Artificial Intelligence (AI), that enable higher productivity and maximum reliability.
 - Allows a system to monitor and diagnose itself, handle any issues during data acquisition without user input, and automatically behave as if it were operated by an expert.
 - Supports the acquisition of high quality, reproducible data regardless of an operator's skill level for both routine and demanding applications.

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