



Nexis™ SCD-2030 can now be controlled from Chromeleon 7.2

Shimadzu GC Driver for Chromeleon™

Shimadzu Nexis SCD-2030 sulfur chemoluminescence detection systems can now be controlled from Thermo Scientific™ Chromeleon 7.2 Chromatography Data System. The Nexis SCD-2030 is a next-generation system offering greatly increased sensitivity and stability as well as world-first automation features and superb ease-of-maintenance, and it can now be used in a Chromeleon environment.

■ Full use of Nexis SCD-2030 features

It is possible to use features built into the Nexis SCD-2030 from Chromeleon, enabling benefits such as:

- **Reliable analysis thanks to excellent stability and high equimolar response**
- **Higher productivity due to various automated features and superb ease-of-maintenance**
- **World-leading sensitivity in analysis**



SCD-2030 status viewed from the SCD control screen

■ Experience world-first automation



Compared to other general GC detectors, SCD detectors have many units that need to be controlled, and complicated procedures are necessary to prepare for analysis. The Nexis SCD-2030 is equipped with various automated functions to reduce the time and labor required for such procedures.

For example:

• **Auto-startup and -shutdown**

Steps required for system startup such as vacuum pump startup, gas control, temperature control, and conditioning are carried out automatically, simplifying analysis preparations. It is also easy to check the status of the SCD detector or the usage data for consumable parts.

• **Automatic conditioning**

The user can easily set up and run automatic conditioning to support a high-sensitivity analysis, ensuring the best performance. Automatic conditioning can also be run when restarting the device after replacement of the inner pyro-tube.



Through the automation of manual procedures, the Nexis SCD-2030 supports a more efficient workflow, and can reduce the possibility of damage due to human error.

Product Lineup

Description	Versions with Verified Functionality
Shimadzu GC Driver for Chromeleon 7.2 (English)	Chromeleon 7.2 SR1 to Chromeleon 7.2 SR5 Chromeleon 7.2.8

* This product supports control of the Nexis GC-2030 and HS-20/HS-10 or individual unit control of the HS-20. The GC-2010/GC-2010 Plus/GC-2010 Pro/GC-2014 can be controlled using the driver from Thermo Fisher Scientific included with Chromeleon 7.2.

Controllable Hardware

The Shimadzu GC Driver for Chromeleon 7.2 supports control of the following units.

GC Unit Nexis GC-2030

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

Unit	Product Name
Sample injector	SPL-2030, WBI-2030, OCI-2030, PTV-2030
Detector	FID-2030, TCD-2030, ECD-2010 Exceed, FPD-2030, FTD-2030, BID-2030, SCD-2030
Advanced flow technology	Backflush, detector splitting, detector switching, heart-cut system
Additional temperature controller	Auxiliary temperature control unit
Additional flow controller	APC (3 auxiliary channels), APC (1 auxiliary channel)
Options	Low-temperature control solenoid valve set: CRG-2030 External equipment control relay: PRG-2010 Plus, PRG Box

The units below can be controlled using the driver from Thermo Fisher Scientific included with Chromeleon 7.2. Using the Shimadzu GC Driver for Chromeleon together with the individual unit controller for the HS-20, it is possible to control the GC as well as the HS-20.

GC Unit GC-2010 (Plus/Pro), GC-2014

Options AOC-20i (Plus) autoinjector, AOC-20s autosampler, HS-20 headspace sampler

Unit	Product Name
Sample injector	GC-2010 (Plus/Pro): SPL-2010 (Plus), OCI/PTV-2010 (Plus) GC-2014: SPL-2014, DINJ-2014
Detector	GC-2010 (Plus/Pro): FID-2010 (Plus), TCD-2010 (Plus), ECD-2010 (Plus), FPD-2010 (Plus), FTD-2010 (Plus) GC-2014: DFID-2014, SFID-2014, TCD-2014, ECD-2014
Additional flow controller	GC-2010 (Plus/Pro): APC (3 auxiliary channels)
Low-temperature oven controller	GC-2010 (Plus/Pro): CRG-2010 low-temperature control solenoid valve unit

* When setting up a network, up to 6 Shimadzu GC instruments can be connected to one instrument control server.

* When setting up a network, it is not possible to connect Shimadzu GC instruments and instruments from other vendors to the same instrument control server. Please acquire a dedicated server to connect Shimadzu GCs.

* SCD-2030 is only compatible with Nexis GC-2030



- Automated support functions utilizing digital technology, 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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