



Nexis™ SCD-2030 can now be controlled from Waters Empower™

Shimadzu GC Driver for Waters Empower

Shimadzu Nexis SCD-2030 sulfur chemiluminescence detection systems can now be controlled from Waters' Empower Chromatography 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 an Empower environment.

■ Full use of Nexis SCD-2030 features

It is possible to use features built into the Nexis SCD-2030 from Empower, 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.

■ Controllable Hardware

GC Unit Nexis GC-2030, GC-2010, GC-2010 Plus, GC-2014

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

Nexis GC-2030

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

GC-2010 (Plus), GC-2014

Unit	Product Name
Sample injector	GC-2010 (Plus): SPL-2010 (Plus), WBI-2010 (Plus), OCI / PTV-2010 (Plus) GC-2014: SPL-2014, WBI-2014, DINJ-2014, SINJ-2014
Detector	GC-2010 (Plus): FID-2010 (Plus), TCD-2010 (Plus), ECD-2010 Exceed, ECD-2010 (Plus), FPD-2010 (Plus), FTD-2010 (Plus), BID-2010 Plus GC-2014: FID-2014, TCD-2014, ECD-2014, FPD-2014, FTD-2014 (C)
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-2030 External equipment control relay: PRG-2010 Plus, PRG Box

* Not compatible with dual injection systems.

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

* One data server (e.g. LAC/E³²) can control up to four Shimadzu GCs.

* It is possible to install the Shimadzu GC Driver for Empower and the Shimadzu LC Driver for Empower on the same PC or data server.

* It is not possible to connect a Shimadzu GC to another company's instrument with one data server (e.g. LAC/E³²). Please provide a dedicated server for the Shimadzu GC.

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