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Nexis™ SCD-2030 can now be controlled from Agilent OpenLAB

Shimadzu GC Driver for OpenLAB CDS

Shimadzu Nexis SCD-2030 sulfur chemiluminescence detection systems can now be controlled from Agilent's OpenLAB 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 an OpenLAB CDS environment.

■ Full use of Nexis SCD-2030 features

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

Description	Versions with Verified Functionality
Shimadzu GC Driver Single for OpenLAB CDS 2	OpenLAB CDS 2.1 / 2.2 / 2.3
Shimadzu GC Driver Single for OpenLAB CDS EZChrom Edition	OpenLAB CDS EZChrom Edition A.04.06, A.04.07, A.04.08, A.04.09

• The same product is used both for standalone and network versions of OpenLAB systems.
• To install the driver in an existing OpenLAB system, please inform us of the software version and other relevant information in advance.

■ Controllable Hardware

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

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

Nexis GC-2030

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	Backlash, 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

Sample injector	GC-2010 (Plus): SPL-2010 (Plus), WBI-2010 (Plus), OCI / PTV-2010 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-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 (AIC etc.).
• Both the Shimadzu GC driver and Shimadzu LC driver can be installed on the same computer or acquisition server (AIC etc.).
• A Shimadzu GC system and an Agilent GC system cannot be connected to the same computer or acquisition server (AIC etc.) at the same time. Please provide a dedicated data acquisition server for the Shimadzu GC system.

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