# SHIMADZU
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Nexis GC-2030 Can Now Be Controlled from Agilent OpenLAB

Shimadzu GC Driver Ver. 2 for OpenLAB CDS

Shimadzu Nexis GC-2030 gas chromatographs can now be controlled from Agilent OpenLAB CDS (chromatography data system). The Nexis GC-2030, which provides the world's highest level of performance and user-friendly interface, can now be used in an OpenLAB CDS environment.

▦ Seamlessly Controls Shimadzu GC Units

The instrument status window includes a control panel able to directly control Shimadzu GC units. The control panel allows the GC system to be turned ON/OFF or connected/disconnected with a single button operation. The control panel also includes other features to help ensure Shimadzu GC units can be controlled conveniently, such as an instrument monitor where the system operating status can be confirmed with a single glance and a system check function that assists with routine instrument inspection. Windows used to edit instrument methods are configured for each instrument, so that even first-time Shimadzu GC users can specify GC instrument parameters easily. Shimadzu GC and headspace sampler operations can be controlled seamlessly from OpenLAB, including report output and audit trail functionality.
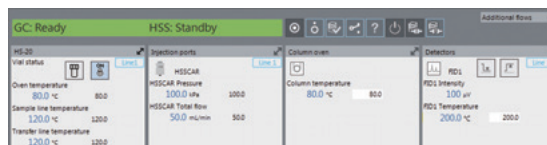
Control Panel

▦ Compatibility with Nexis GC-2030

The following are examples of the advanced Nexis GC-2030 functionality that can be used from OpenLAB.
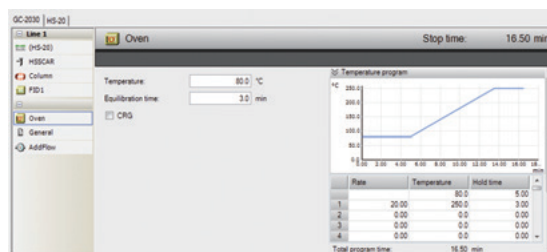- Detectors with the world's highest level of sensitivity
- High separation capability and productivity using Advanced Flow Technology
- Gas saver and sleep functions for reducing energy consumption during standby
- Graphical touch panel that allows intuitive operation

Window for Editing GC Methods

▦ Maximize Productivity with Optimum Sample Injection

In addition to standard liquid analysis using an AOC-20i autoinjector, the following types of analysis are also supported.
- Simultaneous analysis of two lines using a dual injection system
- Successive switching between liquid and headspace analysis by installing both AOC-20i and HS-20 units

This optimal sample injection system helps maximize analytical productivity.

Using Instrument Methods for Smart Switching Between HS-20 and AOC Units

▋▋ Product Lineup

Description	Versions with Functionality Verified
Shimadzu GC Driver Single for OpenLAB CDS 2	OpenLAB CDS 2.0 OpenLAB CDS 2.1
Shimadzu GC Driver Single for OpenLAB CDS EZChrom Edition	OpenLAB CDS EZChrom Edition A.04.05, A.04.06, A.04.07

• 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, GC-2010 Plus, GC-2010, GC-2014**
Options	**AOC-20i autoinjector (Plus) 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
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	CRG-2010 low-temperature control solenoid valve set 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.

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