SHIMADZU
Excellence in Science

Enables the Nexis™ GC-2060 to be Controlled by Thermo Scientific™ Dionex™ Chromeleon™ 7

# Shimadzu GC Driver for Chromeleon 7



Nexis GC-2060

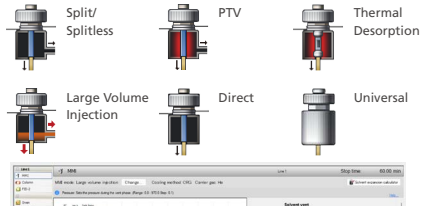
## The latest flagship model, Nexis GC-2060, delivers exceptional reliability and continuous innovation, with full control capability.

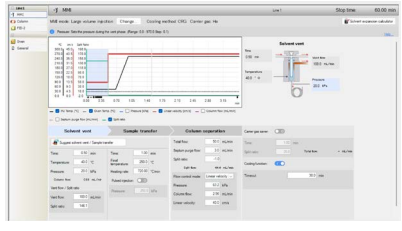
Featuring FID and TCD detectors that deliver world-class sensitivity and outstanding stability through a complete model redesign, the system supports a wide range of detectors to meet diverse analytical needs.
In addition, it enables control of the newly developed Multi-Mode Injection Unit (MMI), significantly enhancing both analytical capabilities and operational ease.
With high expandability, it allows up to three injection units and four detectors to be installed simultaneously, enabling dual-line simultaneous analysis.




## Supports the Multi-Mode Injection Unit (MMI), capable of covering five injection modes in a single unit.

Supports control of the newly developed Multi-Mode Injection Unit (MMI).
The MMI covers five injection modes—split/splitless (SPL), programmed temperature vaporization (PTV), direct injection, large-volume injection (LVI), and thermal desorption/extraction (TD/TE)—within a single unit. In addition, its universal mode offers a high degree of flexibility for customizing sample injection conditions, facilitating seamless method transfer from other manufacturers' injectors and legacy instruments.
An intuitive software interface allows users to freely switch between these modes.

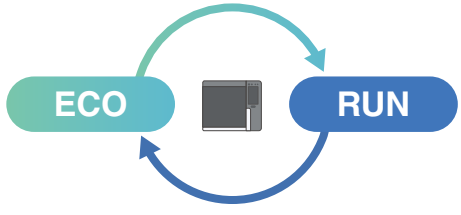


## Eco Idling for Eco-Friendly Analysis – Now with Automatic Eco Mode Support

ANALYTICAL INTELLIGENCE

The system learns the analysis patterns and visualizes the workload, while also suggesting an eco-friendly operation schedule. During analysis, it delivers high performance, and when idle, it automatically switches to an energy-saving ECO idling mode, balancing both analytical tasks and eco-efficiency.
Note: Compatible with GC-2030, GC-2050 and GC-2060.



## Product Lineup

| Description | Version |
|---|---|
| **Shimadzu GC Driver for Chromeleon 7** | **2.60** |

Note: This product supports Nexis GC-2060, Brevis GC-2050, Nexis GC-2030 and HS-20/HS-10 system control and HS-20 standalone control.
GC-2010 (Plus/Pro) and GC-2014 (c) can be controlled using the Thermo Fisher Scientific Inc. driver provided with Chromeleon 7.

## Controllable Hardware


Nexis GC-2060


Brevis GC-2050


Nexis GC-2030

The Shimadzu GC Driver for Chromeleon 7 supports control of the following units.

GC Unit Nexis GC-2060, Brevis GC-2050, Nexis GC-2030

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

| Unit | Device name |
|---|---|
| **Sample Injector** | **GC-2060** : SPL-U (1.0), MMI-U (1.0), WBI-U (1.0), OCI NX-U (1.0), SINJ-U (1.0), SPI-U (1.0) |
| | **GC-2050** : SPL-U (1.0), PTV-U (1.0), WBI-U (1.0), OCI NX-U (1.0), SINJ-U (1.0), SPI-U (1.0) |
| | **GC-2030** : SPL-2030, WBI-2030, OCI-2030 (NX), PTV-2030, SINJ-2030, SPI-U (1.0) |
| **Detector** | **GC-2060** : FID-U (2.0), FPD-U (1.0), ECD-2010 Exceed U, FTD-U (1.0), BID-U (1.0), STCD-U (1.0), AD BOARD |
| | **GC-2050** : FID-U (1.0), FPD-U (1.0), ECD-2010 Exceed U, FTD-U (1.0), BID-U (1.0), STCD-U (1.0), AD BOARD |
| | **GC-2030** : FID-2030, TCD-2030, ECD-2010 Exceed, FPD-2030, FTD-2030, BID-2030, SCD-2030, PTCD-2030, AD BOARD |
| **Advanced Flow Technology** | **GC-2060, GC-2030** : Backflush, detector splitting, detector switching, heart-cut system |
| | **GC-2050** : Backflush, detector splitting |
| **Additional Temperature Controller** | **GC-2060, GC-2050, GC-2030** : Auxiliary temperature control unit |
| **Additional Flow Controller** | **GC-2060, GC-2050, GC-2030** : APC (Aux 3ch), APC (Aux 1ch) |
| **Options** | **GC-2060** : Gas selector, PRG-2030, PRG BOX, CRG-U |
| | **GC-2050** : Gas selector, PRG-2030, PRG BOX, Low-temperature control solenoid valve set CRG-2030 |
| | **GC-2030** : Gas selector, Low-temperature control solenoid valve set CRG-2030, External equipment control relay PGC-2030, PRG Box |

The following unit can be controlled using the Thermo Fisher Scientific driver included with Chromeleon 7.
By using the Shimadzu GC Driver for Chromeleon in conjunction with standalone control of the HS-20 headspace, the system consisting of both the GC and HS-20 (NX) can be controlled.

GC Unit GC-2010 (Plus) and GC-2014

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

| Unit | Device name |
|---|---|
| **Sample Injection Port** | **GC-2010 (Plus)** : SPL-2010 (Plus), OCI / PTV-2010 (Plus)<br>**GC-2014** : SPL-2014, DINJ-2014 |
| **Detector** | **GC-2010 (Plus)** : FID-2010 (Plus), TCD-2010 (Plus), ECD-2010 (Plus), FPD-2010 (Plus), FTD-2010 (Plus)<br>**GC-2014** : DFID-2014, SFID-2014, TCD-2014, ECD-2014 |
| **Additional Flow Controller** | **GC-2010 (Plus)** : APC (3 auxiliary channels) |
| **Low-Temperature Oven Controller** | **GC-2010 (Plus)** : CRG-2010 low-temperature control solenoid valve unit |

Note: Up to six Shimadzu GC units can be controlled from a single instrument server.
It is not recommended to connect other vendor instruments to the same instrument server. Please prepare a dedicated server for controlling Shimadzu instruments.

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