

AOC™-30 Series Autoinjectors can Now be Controlled and Packed Column Analysis can Now be Performed from Chromeleon 7 Software Shimadzu GC Driver Ver. 2.3 with Thermo Scientific™ Chromeleon™ Compatibility

Chromeleon chromatography data systems can now be used to control AOC-30 autoinjectors in Shimadzu Nexis™ GC-2030 systems and perform packed column analysis. Space-saving AOC-30 systems offer reliable and long-term performance, and support capillary/packed column analysis using only a single GC-2030 system.

■ Control of New Space-Saving and Highly Reliable AOC-30 Autoinjectors

AOC-30 systems support automatic analysis of up to 30 samples using a single tower. In combination with a GC-2030 system, the design results in a space-saving system only 553 mm wide. 4 mL bottles of up to four types of rinse solvents can be loaded for enhanced rinsing functionality that maintains high analytical performance for long periods. The analytical method editing window features the Sample Navigator. With Sample Navigator, methods prepared by experts in GC can be created with a single click. Systems can be expanded to hold up to 150 samples and 12 rinse solvent bottles by adding samplers to accommodate increased analytical capacity.



AOC™-30



ANALYTICAL INTELLIGENCE
Sampler Navigator

■ Allows Liquid Analysis and Headspace Analysis on a Single GC

In addition to standard liquid analysis using an AOC-30i autoinjector, the following types of analysis are also possible.

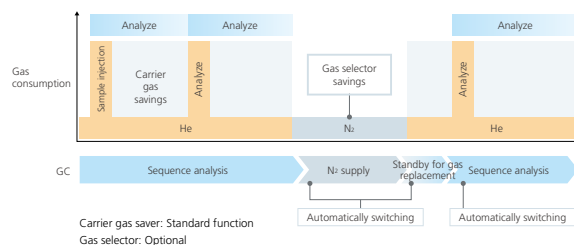
- Simultaneous analysis via two lines using a dual injection system
- Switching between liquid and headspace analysis for continuous analysis by installing both AOC-30i and HS-20 (NX) units

This optimal sample injection system helps maximize analytical productivity.



■ Minimizes Helium Gas Usage

By installing an optional gas selector in the GC-2030 system, the analytical method or Chromeleon window operations can be used to switch between carrier gases. That means helium consumption can be minimized by switching to a substitute carrier gas after sequencing analysis is finished.



Product Lineup

| Description | Versions with Functionality Verified |
|-------------------------------------|---|
| Shimadzu GC Driver for Chromeleon 7 | Chromeleon 7.2 SR1 - SR5 / 7.2.8 / 7.2.9 / 7.2.10 / 7.3 |

Note: This product supports 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

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

GC Unit 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 | SPL-2030, WBI-2030, OCI-2030 (NX), PTV-2030, SINJ-2030 |
| Detector | FID-2030, TCD-2030, ECD-2010 Exceed, FPD-2030, FTD-2030, BID-2030, SCD-2030, PTC-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 | Gas selector Low-temperature control solenoid valve set: CRG-2030 External equipment control relay: PRG-2010 Plus, PRG Box |

The following unit controls are included in Chromeleon Software.

The HS-20 headspace sampler can be controlled by using the Shimadzu GC Driver for Chromeleon 7.

GC Unit GC-2010 (Plus/Pro) and GC-2014 (c)

Options HS-20 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) 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) 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.

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