

Shimadzu GC 2014C control module

The Clarity Chromatography Station allows for the direct control of the Shimadzu GC-2014C Gas Chromatograph. The control of the GC together with the AOC-20i or other autosampler control provided by Clarity, brings integrated instrument control and ensures complete automation for laboratories.

The GC control is fully compatible with the GC-2014C Gas Chromatograph and can also control GC-2010 and GC-2014 chromatographs, with the restrictions shown below. This control includes the digital data acquisition, temperature program control and other minor features.

The GC control module is an optional add-on module for the Clarity software. The Clarity Chromatography Station is designed to acquire and evaluate data from up to four chromatographs at a time (multi detector measurement supported).



Shimadzu GC2014C Gas Chromatograph with AOC-20i autosampler

Shimadzu GC2010 and GC2014 restrictions



The Shimadzu GC2014C and GC2014 Gas Chromatographs are the simplified versions of the GC2010 Gas Chromatograph. They have the same functions, except that the GC2014 series is not equipped with APC (advanced pressure controller – for the detector gases control) and its GC2014C subtype, targeted for Chinese market, doesn't use APC and AFC (advanced flow controller – for the column gas flow control) systems.

Clarity Shimadzu GC Control Module is primarily aimed on Shimadzu GC2014C chromatograph, and at the time doesn't support either AFP or APC. Other functions are, however, fully supplemented, and it is thus possible to use the control module for direct control of Shimadzu GC2010 and GC2014 gas chromatographs. The missing flow and pressure parameters must be set manually on the instrument.

Shimadzu GC2010 gas chromatograph with AOC-20s autosampler

	2010	2014	2014C
Digital acquisition	✓	✓	✓
Temperature program control	✓	✓	✓
AFC	✗	✗	-
APC	✗	-	-

- ✓ feature supported by the instrument and Clarity
- ✗ feature supported by the instrument, but not Clarity
- feature unsupported by the instrument

Requirements:

- **Clarity software** (p/n: C50)
Additional Information is available at: www.dataapex.com/product.php?id=clarity-std.php
- **GC control module** (p/n: A23)
Additional information is available at: www.dataapex.com/products.php?dokument=52
- **Serial cross DB9F-DB9F cable** (p/n SK01)

For more information contact sales@dataapex.com

Related Products:

- **MultiCOM adapter** (p/n: MC01)
- **AS control module** (p/n: A26) for direct control of possibly connected autosampler.

Additional information is available at: www.dataapex.com/products.php?dokument=36