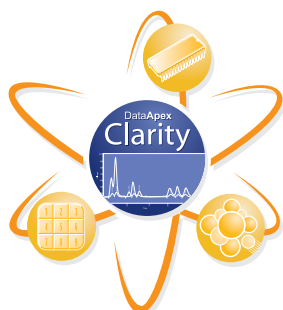


Clarity Control Shimadzu GC-2014C



Direct control of Shimadzu GC using Clarity Chromatography Software

The Clarity Chromatography Station allows for the direct control of the Shimadzu GC-2014C Gas Chromatograph. In a limited extent (without APC/AFC) it can be used also for the direct control of GC-2010 and GC-2014.

The control of the GC enables Clarity to provide integrated instrument control including digital data acquisition and to ensure complete automation for laboratories.



CLARITY SOFTWARE



CONTROLS

EXTENSIONS

HARDWARE

User can easily and directly set all the parameters of the chromatograph from his or her computer. All these parameters are collected in the instrument method displayed in the **Method Setup - GC Control** dialog. The GC method gives complete control over the oven, inlets, detectors, valves, time events, and auxiliary. The applied GC method will be stored in the chromatogram file and can be displayed or printed at any time.

The **Device Monitor** window allows for the online monitoring of the GC in both the current and required values so, for example, it is clear whether a temperature has already stabilized. The GC configuration (type, available accessories, etc.) is automatically detected. The detected configuration can be reviewed or edited in the **System Configuration** dialog.

The GC Control is an optional software module for Clarity Chromatography Software. An optional AS Control module is also available for autosamplers, such as the Shimadzu AOC-20.

The control is provided over the RS232 line and also the detector provides its signal digitally, which means that an A/D card is not necessary.

In addition to the GC-2014C the control module allows also for a limited control of the GC-2014 and GC-2010. Only the digital data acquisition and temperature zone control is supported at the moment, the APC (automatic pressure control) and AFC (automatic flow control) parameters must be set from the GC keyboard.

Clarity Chromatography Software is designed to acquire and evaluate data from up to four multi-detector chromatographs at one time (four independent time bases).

The Shimadzu GC-2014C Control module was developed upon mutual agreement with the Shimadzu company and is based on detailed documentation, which they provided.

For more information, contact clarity@dataapex.com or download the Shimadzu GC-2014C control module manual from our website, www.dataapex.com.

Specification

Controlled devices:	The GC control module is compatible with the Shimadzu GC-2014C in limited extent (without APC/AFC): GC-2010 and GC-2014
Communication interface:	COM (RS232)
Data acquisition interface:	Digital Data Acquisition uses the same interface as the communication
Supported detectors (parts):	FID, ECD, TCD, NPD, etc.
Related products:	Clarity (p/n C50)
Purchasing:	GC Control - (p/n A23)
Accessories:	RS232 cable

