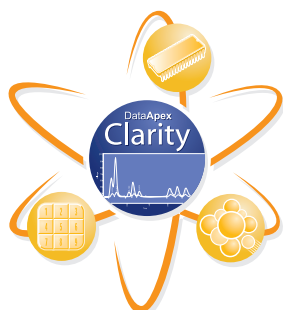


# Clarity Control Shimadzu GC-17A



## Direct control of Shimadzu GC using Clarity Chromatography Software

The Clarity Chromatography Station allows for the direct control of the Shimadzu GC-17A and GC-14C Gas Chromatograph.

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



CLARITY SOFTWARE



CONTROLS

EXTENSIONS

HARDWARE

The user can easily and directly set all parameters of the chromatograph from his or her computer. All these parameters are collected in the GC 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 optical line. DataApex supplies an external OPT-USB converter that allows you to connect this output to the USB port of the PC. An optional interface card IGC17 that provides data to the RS232 port is also available. The detector provides analog signal. Use any DataApex A/D converter, such as INT9 or U-PAD2 to acquire the signal from the chromatograph to Clarity.

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

The Shimadzu GC-17A 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](mailto:clarity@dataapex.com) or download the Shimadzu GC-17A/GC-14C control module manual from our website, [www.dataapex.com](http://www.dataapex.com).

## Specification

### Controlled devices:

The GC control module is compatible with the Shimadzu GC-17A and GC-14C chromatographs.

### Communication interface:

Optical, USB (through OPT-USB converter), RS232 (through IGC17 interface)

### Data acquisition interface:

Analog signal to A/D converter (eg. Colibrick or INT9 )

### Supported detectors (parts):

FID, ECD, TCD, NPD, etc.

### Required products:

Clarity (p/n C50)

### Purchasing:

GC Control - (p/n A23)

### Accessories:

IGC17 interface (p/n: IGC17)

OPT-USB optical to USB interface (p/n OPT-USB) or

optical to RS232 interface available from Shimadzu (p/n 221 44370-91)

A/D converter - Colibrick, INT9 (a complete list of A/D converters is at [www.dataapex.com](http://www.dataapex.com))

