



DEMO GCXGC MODULATOR

Clarity Control Module

ENG

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To facilitate the orientation in the **Demo GCxGC Modulator** manual and **Clarity** chromatography station, different fonts are used throughout the manual. Meanings of these fonts are:

Instrument (blue text) marks the name of the window to which the text refers.

Open File (italics) describes the commands and names of fields in **Clarity**, parameters that can be entered into them or a window or dialog name (when you already are in the topic describing the window).

WORK1 (capitals) indicates the name of the file and/or directory.

ACTIVE (capital italics) marks the state of the station or its part.

The bold text is sometimes also used for important parts of the text and the name of the **Clarity** station. Moreover, some sections are written in format other than normal text. These sections are formatted as follows:

Note: Notifies the reader of relevant information.

Caution: Warns the user of possibly dangerous or very important information.

Marks the problem statement or trouble question.

Description: Presents more detailed information on the problem, describes its causes, etc.

Solution: Marks the response to the question, presents a procedure how to remove it.

1 GCxGC Control Module

This manual describes the setting of the **Demo GCxGC Modulator**.

The control is performed via the **UNI Ruby** control module and the **Demo GCxGC Modulator** script.

2 Requirements

- **Clarity** Installation USB with appropriate GCxGC Control (p/n A36) license allowed.

3 Installation Procedure

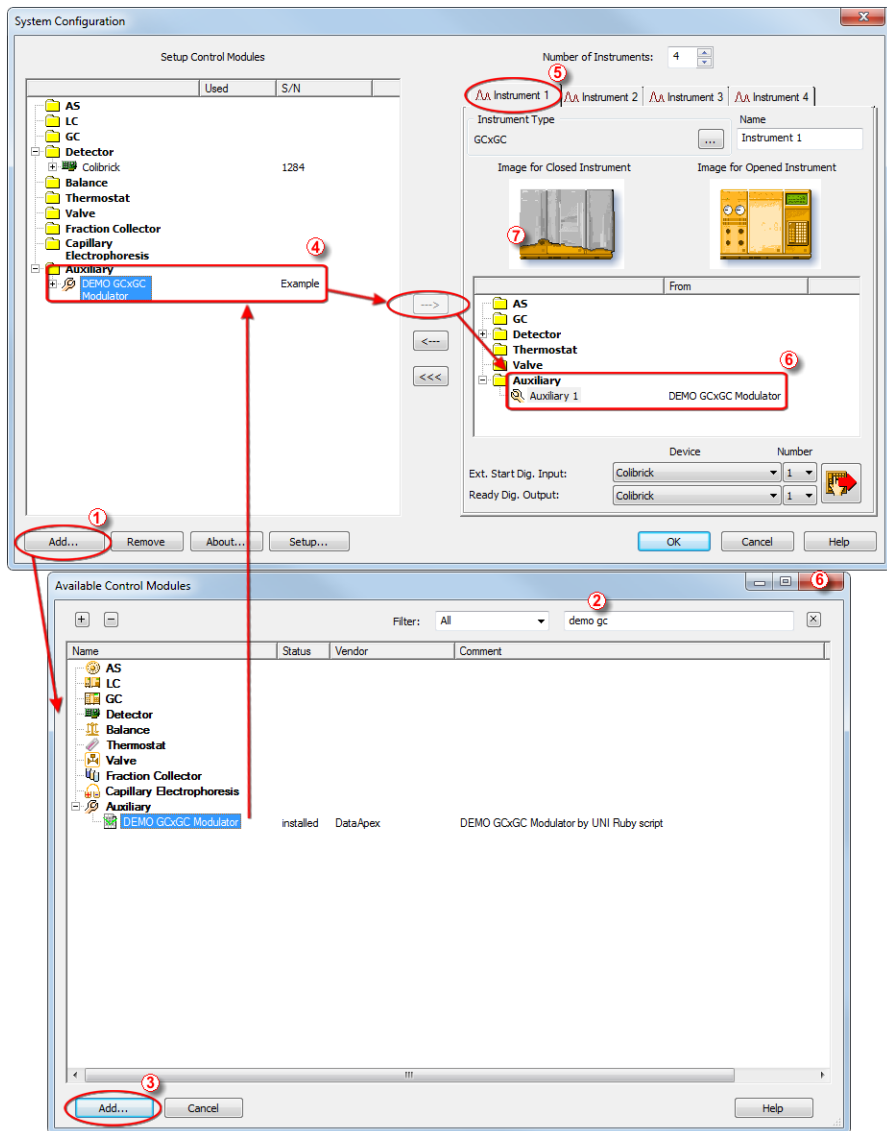



Fig 1: How to Add UNI Ruby module

- Start the **Clarity** station by clicking on the  icon on the desktop.
- Invoke the **System Configuration** dialog accessible from the **Clarity** window using the *System - Configuration...* command.
- Press the **Add** button (① on **Fig 1** on pg 3.) to invoke the **Available Control Modules** dialog.
- You can specify the search filter (②) to simplify the finding of the driver.
- Select the correct item and press the **Add** (③ on **Fig 1** on pg 3.) button. Each device with already created UNI profile should have its own item named accordingly in the **Available Control Modules** dialog.
- The **DataApex UNI Setup** dialog will appear.

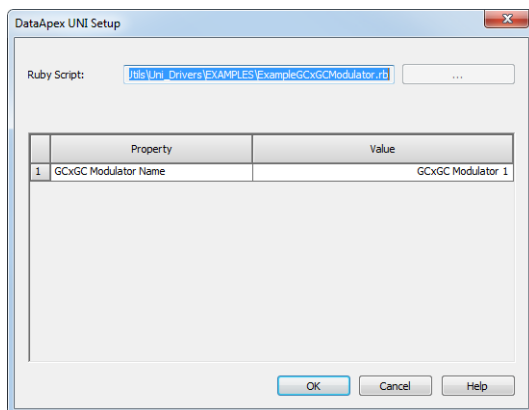



Fig 2: DataApex UNI Setup

- You may fill in the custom *Device Name*.

Note: The **DataApex UNI Setup** dialog is described in detail in the chapter "**DataApex UNI Setup**" on pg 8.

- The **Demo GCxGC Modulator** item (④) will appear in the *Setup Control Modules* list of the **System Configuration** dialog.
- Drag the appropriate item from the *Setup Control Modules* list on the left side to the desired *Instrument* tab (⑤) on the right side (⑥), or click on the  button (⑦).

4 Using the control module

After adding and setting up the new device one or more new tabs will appear in the [Method Setup](#) dialog depending on the type of the instrument. A new section enabling the monitoring of the current auxiliary state will be also created in the [Device Monitor](#) window.

4.1 Method Setup - Aux - Properties

The **Method Setup - Aux** tab is used for preparing and editing the instrument method for various different devices, for example **Demo GCxGC Modulator**.

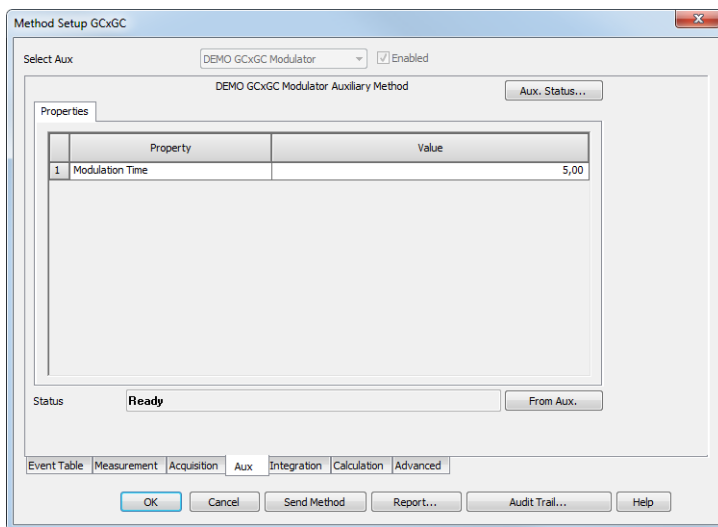


Fig 3: Method Setup - Aux - Properties

Modulation Time

Defines the time (in seconds [s]) used for modulation.

4.2 Device Monitor

Device Monitor - GCxGC Modulator

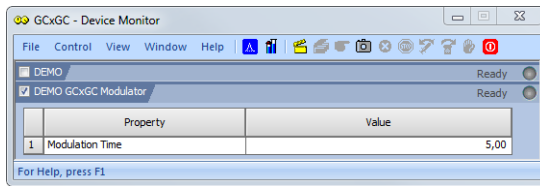


Fig 4: Device Monitor - GCxGC Modulator

Modulation Time

Displays *Modulation Time* for current method. The value is in seconds.

4.3 DataApex UNI Setup

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The appearance of the **DataApex UNI Setup** dialog depends on the presence of the selected Ruby Script - if the script is not present, only the *Ruby Script* field is visible.

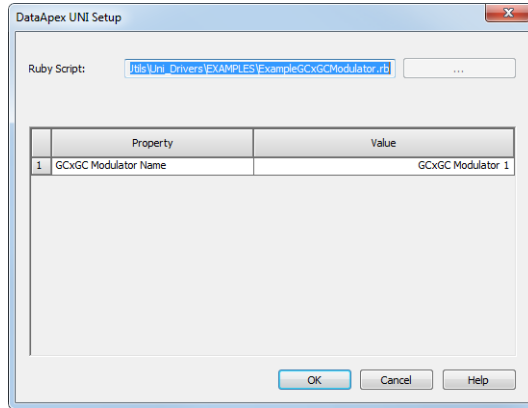


Fig 5: DataApex UNI Setup

Ruby Script

Displays the selected Ruby Script. The correct script for the **Demo GCxGC Modulator** instrument can be found in the UTILS/UNI_DRIVERS/ subdirectory (accessible through the button) of the **Clarity** installation folder (C:\CLARITY\BIN by default).

Instrument Name

Allows you to set the custom name of the instrument. This name (entered into the *Value* column) will be used throughout the **Clarity** station.