

Clarity LC Control – Hitachi L6200/L6210 pumps

Clarity Chromatography Software allows for the direct control of the Hitachi gradient pumps L-6200 and L-6210. The LC control enables Clarity to provide the user with access to all parameters of the pump directly from a computer.

The LC Control is an optional software module for the Clarity Chromatography Software. Clarity is designed to acquire and evaluate data from up to four chromatographs at a time (multi-detector measurement).



Detailed description can be found at: <https://www.dataapex.com/product/controls-lc-hitachi-l62x0>

The user can easily create a gradient method from the Method Setup – LC control window. It is possible to set the percentage of each gradient component and the overall flow rate in the gradient table. All parameters, including idle pump behavior controls, are a part of the method. Therefore, it is possible to create various gradient profiles and choose the corresponding method each time via loading.

The actual flow rates of each gradient component and their overall sum and pressure can be monitored in the independent LC Monitor section of the Device Monitor.

The screenshot displays two windows from the Clarity software. The 'Method Setup - LC control' window shows a 'Gradient Table' with the following data:

Time [min]	A [%]	B [%]	C [%]	Flow [mL/min]
1 Initial	10.0	30.0	60.0	0.000
2 3.00	10.0	30.0	60.0	2.000
3 6.00	50.0	20.0	30.0	2.000
4 10.00	50.0	20.0	30.0	2.000

Below the table is a graph of Flow [mL/min] vs Time [min] showing the gradient profile for components A, B, and C. To the right, 'Standby Flow' is set to 2 mL/min, 'Time to Standby' is 0 min, and 'Standby Time' is 0 min. The 'Idle State' is set to 'Initial'. The 'Instrument 1 - Device Monitor' window shows real-time monitoring for 'L-62x0 LC 1' with 'Total Flow [mL/min]' at 0.000 and 'Pressure [MPa]' at 0.000. The status is 'Ready'.

The setting of the instrument method as well as online monitoring, is seamlessly integrated within Clarity

The control is realized via a standard RS232 serial port using a specified serial cable. An optional USB - RS232 converter [MultiCOM](#) (p/n MC01) is available for computers with insufficient number of COM ports.

Specification and requirements

Controlled devices: Hitachi L6200, L6210

Communication interface: RS232

Purchasing: [LC Control](#) (p/n A24)

Related products: [Clarity](#) (p/n C50, C55)
MultiCOM adapter (p/n MC01)

Cable: Serial straight DB9F-DB25M cable (p/n SK03)

For more information contact sales@dataapex.com