

UNIVERSAL CHROMATOGRAPHIC SOFTWARE FOR CONTROL AND MONITORING

Software **ecomac** is designed with maximal effort to do easy operation of chromatographic systems made by SEPARLAB and detectors made by ECOM. It is suited for units controlling and data collecting. Equipments are connected to the PC using RS232, or USB (by means of RS232/USB converter). Software detects automatically almost of all units, so there is no need complicated communication installation:

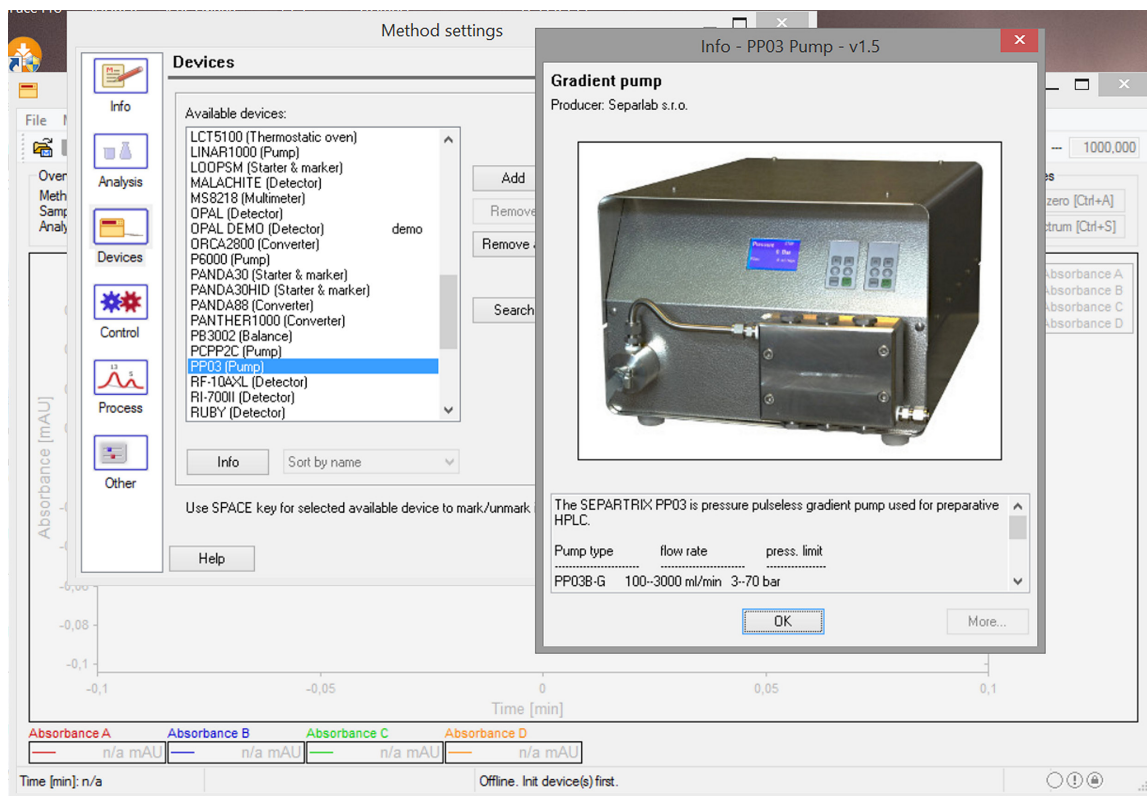
Program most important features:

- Easy installation
- Connecting using USB or RS232
- No need A/D converter
- Possibility to start up to 8 stations at the same time
- Data export in various formats
- Possibility of external start and external mark
- Secured access
- Unit controlling and data collecting from one place

On the screen we can watch parameters of all units for example detector absorbance, pump pressure and column oven temperature. It allow monitoring of whole system by stabilization or by problems searching. It is possible to record, print and export all data.

Supported formats by data export:

- Text formats: native text format, two column text format and CSW Clarity text format
- Binary: native binary CH-format, CSW (1.7) Raw format, Matlab 5.0(Octave) MAT format, AIA NETCDF



The screenshot displays the 'Method settings' window of the ecomac software. On the left, a sidebar contains icons for 'Info', 'Analysis', 'Devices', 'Control', 'Process', and 'Other'. The main area shows a list of 'Available devices' including various pumps, detectors, and converters. The 'PP03 (Pump)' is selected and highlighted in blue. Below the list are buttons for 'Add', 'Remove', and 'Search', along with an 'Info' button and a 'Sort by name' dropdown. A note indicates that the SPACE key can be used to mark/unmark devices. A 'Help' button is located at the bottom of the device list.

An 'Info - PP03 Pump - v1.5' dialog box is open, showing a photograph of the PP03 pump. The dialog box contains the following information:

Gradient pump
 Producer: Separlab s.r.o.

The SEPARTRIX PP03 is pressure pulseless gradient pump used for preparative HPLC.

Pump type	flow rate	press. limit
PP03B-G	100-3000 ml/min	3-70 bar

Buttons for 'OK' and 'More...' are visible at the bottom of the dialog box.

At the bottom of the main window, there is a status bar showing 'Time [min]: n/a' and 'Offline. Init device(s) first.' Below this, there are four colored bars representing 'Absorbance A', 'Absorbance B', 'Absorbance C', and 'Absorbance D', each with a value of 'n/a mAU'.