

ECS01

QUATERNARY GRADIENT ANALYTICAL SYSTEM

High effective HPLC system containing **UV-VIS detector**, **column oven**, **analytical pump** and **gradient box**. Detector with continuously variable wavelength 190-800 nm and very low noise level offers **high-speed sampling up to 100 Hz**.

Communication of all units is through **RS232** or **Ethernet (LAN)**. Additional PC A/D converter card is not required for this system.



System contains manual injector and **Clarity** software. All units are supported in Clarity software from installation.

MAIN PARTS

ECD2800 UV-VIS DETECTOR

Detector with continuously variable wavelength in the range of **190-800 nm** and a noise level **±3·10⁻⁶ AU**. Unit offers high-speed sampling up to **100 Hz** and wavelength autocalibration. AC 05 analytical cell is included.

ECO2080 COLUMN OVEN WITH HEATING AND COOLING

The peltier heating/cooling column oven with a big compartment room can accommodate up to **3 columns** with length **up to 25 cm**. Overheating-Security-Fuse prevents destruction of temperature sensitive columns. Temperature range is **0-80 °C**

ECP2010 ANALYTICAL HPLC PUMP

This isocratic pump works with Gradient Box ECB2004B as a **quaternary gradient pump**. Flow rate range is **0.01-10 ml/min** and pressure limit at **40 MPa**. Unit software includes new learning algorithm for pulsation suppression and many testing and diagnostic functions.

ECB2004B GRADIENT BOX WITH DEGASSER

Box is suited for handling liquids in ECOM gradient systems. It accommodates a container for solvent bottles, built-in high-efficiency **vacuum degasser** and **four-way gradient valve**. Up to four solvent lines may be degassed simultaneously by one unit. Four-way gradient valve is controlled from the pump ECP2010.

Note: Column and computer are not included. PC system has to be equipped for handling 3 serial RS232 or 1 Ethernet port at least. Check also Clarity software requirements.

This system is fully controlled by Clarity Chromatography software, which is also a part of delivery. Clarity software complies **CFR21GLP** requirements.



SYSTEM CONTAINS

Pcs	Description	P/N
1	ECD2800 UV-VIS Detector	ADA0000X
1	ECB2004B Gradient box with degasser	ABA0000X
1	ECP2010 Analytical HPLC pump	ACA0000X
1	ECO2080 Column Oven	AOA0000X
1	Clarity – Station for 1 instrument	AP000C50
1	Clarity module for HPLC control	AP000A24
1	Anal. injection valve with 20ul sample loop	AVE02006
1	Accessories for analyt. system series 2000	ASA00180

CLARITY CHROMATOGRAPHY SOFTWARE