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.

ECP2010 ANALYTICAL HPLC PUMP

This isocratic pump works with Gradient Box ECB2004 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.

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**.

ECB2004 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.

CLARITY CHROMATOGRAPHY SOFTWARE

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	ECB2004 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	S203200X
1	Accessories for analyt. system series 2000	ASA00180

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.