ECS12

QUATERNARY PREPARATIVE GRADIENT SYSTEM WITH FRACTION COLLECTOR

High effective preparative system containing **UV-VIS DAD detector**, **preparative pump**, **gradient box and fraction collector**. Detector allows measuring at four wavelengths in the same time or an informative scan.

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

System contains manual injector and **ECOMAC** software which include drivers for all ECOM units.

MAIN PARTS

FLASH 14 DAD 600 DETECTOR

is an UV-VIS diode array detector, which allows measuring absorbance of **four wavelengths in range of 200 – 600 nm simultaneously in one cell** just as visualization of whole spectra. It is possible to use the detector in **flash and preparative** applications. Standardly is assembled preparative cell PLCC 15 but other cells are available.

ECF2096 FRACTION COLLECTOR

Fractions collected according to chosen method which can be created manually by keyboard, just as using **ECOMAC** software. Analog input allows collecting based on detector signal. Racks for 9, 21, 40 ml tubes.

ECOMAC CHROMATOGRAPHY SOFTWARE

This system is fully controlled by ECOMAC software, which is also a part of delivery. It allows all units controlling, gradient creating and fraction collecting.

ECP2300 PREPARATIVE PUMP

This isocratic pump works with Gradient Box ECB2007 as a **quaternary gradient pump**. Flow rate range is **0.1-300 ml/min** and pressure limit at **15 MPa**. Unit software includes new learning algorithm for pulsation suppression and many testing and diagnostic functions.
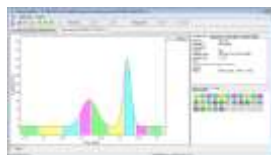
ECB2005 GRADIENT BOX WITHOUT DEGASSER

Box is suited for handling liquids in ECOM gradient systems. It accommodates a container for solvent bottles and **four-way gradient valve**. Four-way gradient valve is controlled from the pump ECP2300.

SYSTEM CONTAINS

Pcs	Description	P/N
1	Flash 14 DAD 600 Detector	ANB0000X
1	ECB2005 Gradient Box without Degasser	ABB0000X
1	ECP2300 Preparative Pump	ACE0000X
1	ECOMAC software	AF000000
1	ECF2096 Fraction collector	AFA00000
1	Preparative injection valve 1/8"; 2ml loop	S2032022
1	MultiCom 1x USB to 6 x RS232 Converter	AP00MC01
1	Accessories for prep. system series 2000	ASP00180

Note: System can be equipped with detectors **with different wavelengths range** and pumps with **different flow rate** from ECOM production.