

# ECS21

## QUATERNARY GRADIENT PREPARATIVE SYSTEM

High effective preparative system containing **UV-VIS DAD detector, preparative pump and gradient box**. 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.

### SPECIFICATION

#### TOY18DAD H 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.

#### ECP2050 PREPARATIVE PUMP

This isocratic pump works with Gradient Box ECB2007 as a **quaternary gradient pump**. Flow rate range is **0.1-50 ml/min** and pressure limit at **30 MPa**. Unit software includes new learning algorithm for pulsation suppression and many testing and diagnostic functions.

#### ECB2007 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 by the pumps ECP2050.

collecting. (Fraction collector can be supplied as option)

#### SYSTEM CONTAINS

Pcs	Description	P/N
1	TOY18DAD H 600 Four Channel Detector	TOYH120X
1	ECB2007 Gradient Box without Degasser	ABD0000X
1	ECP2050 Preparative Pump	ACC0000X
1	ECOMAC software	SA100000
1	Anal. injection valve with 20ul sample loop	AVE02006
1	Sample loop SS 1ml 1/16"	AVVCSL1K
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.

#### 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

