

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.



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.

SYSTEM CONTAINS

Pcs	Description	P/N
1	ECD2800 UV-VIS Detector	ADAOOOX
1	ECB2004 Gradient box with degasser	ABA0000X
1	ECP2010 Analytical HPLC pump	ACA0000X
1	ECO2080 Column Oven	AOAOOOX
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



ECS02

QUATERNARY GRADIENT ANALYTICAL SYSTEM

High effective HPLC system containing **UV-VIS** detector, column oven, analytical pump and gradient box. Detector with continuously variable wavelength 190-600 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

ECD2600 UV-VIS DETECTOR

Detector with continuously variable wavelength in the range of 190-600 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.



ECO2099 COLUMN OVEN WITH HEATING

This column oven allows temperature stabilization above ambiet temperature. 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 ambient temperature +5°-99 °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.



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

SYSTEM CONTAINS

Pcs	Description	P/N
1	ECD2600 UV-VIS Detector	ADB0000X
1	ECB2004 Gradient box with degasser	ABA0000X
1	ECP2010 Analytical HPLC pump	ACA0000X
1	ECO2099 Column Oven with heating	AOBOOOX
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



ECS04

QUATERNARY GRADIENT ANALYTICAL SYSTEM WITH AUTOSAMPLER

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

Communication of units is through RS232 or Ethernet(LAN). Additional PC A/D converter card



is not required for this system. System contains autosampler 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

This column oven allows precise temperature stabilization in the range 0-80°C. A big compartment room can accommodate up to 3 columns with length up to 25 cm. Peltier technology offers the possibility of heating and cooling independently from room temperature.



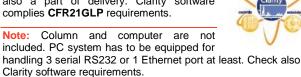
AUTOSAMPLER L-3320

Automatic autosampler ensuring excellent accuracy and linearity of sample injection. Very low sample residue contamination, µl pick-up mode achieves zero sample loss. Automated selfchecking. Rheodyne valve ensures reliable operation.



CLARITY CHROMATOGRAPHY SOFTWARE

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



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.



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.



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 with heating and cooling	AOAOOOX
1	Autosampler L3320 for 2x48 vials	ARA03320
1	Clarity – Station for 1 instrument	AP000C50
1	Clarity module for HPLC control	AP000A24
1	Clarity SW module for AS control	AP000A26
1	Accessories for analyt, system series 2000	ASA00180

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