



Article No.: A46001

Articlename: SYS986502200 AZURA 862 LPG System DAD 2.1L

HPLC 862 bar system with quaternary LPG pump and 3D diode array detector System Proposal

Eluent delivery

The **Pump P 6.1L** with LPG configuration has a new LPG valve for precise mixing efficiency of up to four eluents. The integrated degasser prevents air bubbles in the system. A mixing chamber is mounted on each Pump P 6.1L. This can be adapted to the respective application as required.

Sample Injection

The **Autosampler 6.1L** can inject 0.1 – 5000 µl to have a large flexibility. Using standard vials or two microtiter plates will give you a maximum sample capacity of up to 768 samples or 108 vials.

Column thermostating

The **Column thermostat CT 2.1** is suitable for column thermostating above and below room temperature. The instrument operates with a microprocessor controlled Peltier element for exact temperature settings.

Chromatography data system

KNAUER **ClarityChrom®** is a powerful, yet easy-to-use chromatography software for instrument control, data acquisition and data processing. It is an economical solution compared to other more complex chromatography software while still offering FDA 21 CFR Part 11 compliance.

Detection

The detector **DAD 2.1L** features a novel light path and flow cell architecture with improved handling and excellent performance. This Diode array detector can be used in the wavelength range of 190-700 nm.

This AZURA Analytical system can be customized with several detectors

- The diode array detector **DAD 6.1L** covers all conceivable applications with a spectral range of 190-1000 nm. With its novel light path and optimized flow cells, it is one of the most powerful devices on the market.

For **MWD 2.1L** is an 8 channel, sensitive multiwavelength detector with high performance with easy handling at an affordable price. This multiwavelength detector can be used in the wavelength range of 190-700



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nm.

- The variable single wavelength UV/VIS detector **UVD 2.1L** comes with an installed deuterium lamp which covers a wavelength range from 190 to 750 nm. It is a competitively priced detector for routine HPLC applications including fast LC methods.

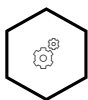
System Configuration: HPLC 862 bar system with quaternary LPG pump and	System code
3D diode array detector 190-700 nm	986502200
3D diode array detector 190-1000 nm	986602200
Variable multi wavelength UV/VIS detector	986402200
Variable single wavelength UV/VIS detector	986202200
Fluorescence Detector	986802200

Customized configurations like combinations of several detectors are also available. Please contact us!



HPLC 862 bar system with quaternary LPG pump and 3D diode array detector

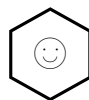
KEY FEATURES



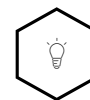
Made in Germany



Certified quality management



Customized solutions



60 years experience



60 years experience

TECHNICAL DATA

Analytical system

Application area	HPLC
Pump system	Gradient
Gradient	Quaternary LPG
Injection	Autosampler
Detector	Diode array detection DAD
Software	ClarityChrom, Mobile Control
Pressure	862 bar
Column thermostat	Yes

SYSTEM COMPONENTS



AZURA Eluent tray E 2.1L

Article No. AZC00

AZURA® Eluent tray E 2.1L for AZURA® devices with a capacity of 6 x 1 l bottles or 4 x 2.5 l bottles or 2 x 5 l bottles, (delivery without bottles)

Type: **Eluent tray**

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Set of eluent supply bottles for HPG and LPG systems incl. bottle for piston backflushing

Article No. A5324-2

Set of 4 eluent bottles 1000 ml, 1 bottle 250 ml for piston backflushing, incl. caps for eluent tubing, GL45

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Low pressure gradient HPLC pump with 4 channel degasser

Article No. APH34EA

AZURA® Pump P 6.1L (LPG), with 10 ml pump head (stainless steel), degasser and mixer (200 µl)

Max. flow rate : **10 ml/min**

Pump head materials : **Stainless Steel**

Gradient : **Low pressure gradient (quaternary)**

Pump features : **Active pulsation compensation, RFID for automatic pump head detection, Integrated pressure sensor, Purge valve (manual), Leak management, Piston seal wash**

Maximum delivery pressure [MPa] : **86 MPa**

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Fast and versatile analytical HPLC autosampler

Article No. AAA50AA

AZURA® Autosampler AS 6.1L analytical HPLC autosampler, 862 bar

Maximum back pressure : **862 bar**

Sample loop : **100 µl**

Sample tray cooling : **None**

Autosampler Flow Path : **Analytical**

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Column thermostat for up to 8 HPLC columns

Article No. ATC00

Column thermostat AZURA CT 2.1 for constant temperatures and reproducible results

Temperature range : 5–85 °C

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Basic Diode Array Detector for Liquid Chromatography and Process Technology

Article No. ADC01

AZURA® Detector DAD 2.1L Diode array detector DAD 2.1L without flow cell 190 - 700 nm, incl. test cell

Detector type : **Diode array detector**

Detection channels : **8 (Digital)/4 (Analog)**

Wavelength range : **190 - 700 nm**

Number of diodes : **256**

Linearity : **> 2.0 AU at 274 nm (ASTM E1657-98)**

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Analytical KNAUER PressureProof UV Flow Cell Cartridge

Article No. AMC38

10 mm path length, 10µl, 1/16", 300 bar, PressureProof Flow cell cartridge for AZURA®

Detector DAD/MWD

Flow cell type : **Analytical UV flow cell**

Path length : **10 mm**

Capillary connection : **1/16"**

Max. flow rate : **20 ml/min**

Flow cell volume : **10 µl**

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ClarityChrom 8.7 - Workstation, autosampler control included

Article No. A1670

ClarityChrom® single instrument license for one time base

Software name : **ClarityChrom**

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ClarityChrom 8.7 - PDA extension

Article No. A1676

ClarityChrom® option for PDA data processing

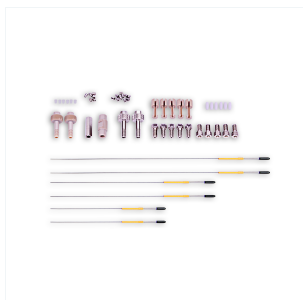
Software name : **ClarityChrom**

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**WiFi router, 8x GBit RJ-45 ports, for connection of AZURA devices with a PC**

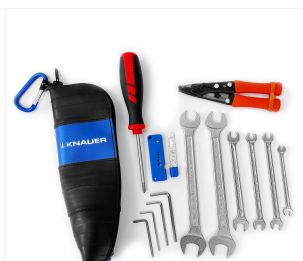
Article No. A64809INT

WiFi router, 8x LAN GBit RJ-45 ports, 1x WAN GBit RJ-45 port, power plug UK, US or AUS

[Show product](#)**Start-Up Kit with flexible, precut capillaries for analytical HPLC and UHPLC systems with 1/16" connections**

Article No. AZF50

Set of precut capillaries 0.18 mm ID, fittings, connectors and adapters, yellow

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Tool kit AZURA

Article No. A1033

Tool Kit AZURA® for systems with PEEK or pre-cut capillary kits

Type: **Tool kit**

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DOCUMENTS AND MORE INFORMATION

AZURA Analytical HPLC and UHPLC brochure

AZURA Analytical HPLC/UHPLC brochure, V7852US

Brochure English

AZURA System Selection Guide (V7857US)

System suggestions for analytical HPLC/UHPLC, FPLC, preparative LC and sample preparation systems. English language, V7857US

Brochure English

RELATED PRODUCTS



**High-End Diode Array Detector
for Liquid Chromatography and
Process Technology**

AZURA® Detector DAD 6.1L
Diode array detector DAD 6.1L
without flow cell 190 - 1000 nm,
incl. test cell

Article No.: ADC11



**Versatile Multi Wavelength UV-
Detector for Liquid
Chromatography and Process
Technology**

AZURA® Detector MWD 2.1L
Multiwavelength detector MWD
2.1L, without flow cell 190 - 700
nm, incl. test cell

Article No.: ADB01



**Superior Single Wavelength UV-
Detector for Liquid
Chromatography and Process
Technology**

AZURA® Detector UVD 2.1L with
deuterium lamp without flow cell,
incl. test cell

Article No.: ADA01XA



**Basic Fluorescence Detector for
Liquid Chromatography**

Fluorescence detector RF-20 A
200 - 650 nm incl. accessories
and flow cell

Article No.: A59200

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ISO 9001

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Environmental
Management
ISO 14001

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tech laboratory instruments for research, routine analysis and production for 59 years.

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In addition, we have extended documentation about all our products, including **CE Declarations of Conformity**.

[See all CE Declarations of conformity](#)

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Do you need more details or a quote?

We are happy to help you



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