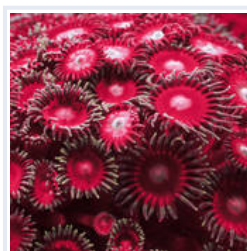
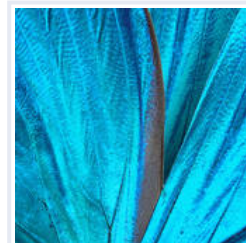


AZURA UV/VIS Detector UVD 2.1L

Variable single wavelength

Article Nr.: ADA01XA



UVD 2.1L variable wavelength detector

The AZURA UV/VIS Detector UVD 2.1L is a competitively priced HPLC spectrophotometer for routine HPLC applications including fast LC methods. Besides offering excellent technical specifications, this robust detector features a highly flexible and compact design.

The UVD 2.1L comes with an installed deuterium lamp which covers a wavelength range from 190 to 750 nm. This detector can be controlled with OpenLab® EZChrom, ChromGate®, and ClarityChrom® software, as well as with the Mobile Control software (stand-alone operation), via LAN or through analog input/output; allowing it to be integrated into almost any LC system.

Due to a smart design the flow cell is easily accessible and can be changed very quickly. You can choose between a wide range of flow cells for analytical or preparative LC applications with flow rates from 10 µl/min up to 10 l/min.

Key features

- variable single wavelength
- large choice of flow cells
- wavelength range from 190 - 750 nm
- flow rates from 10 µl/min up to 10 l/min
- optional touch display available
- leak management






Details

Detector type	Variable single wavelength UV/VIS detector
Detection channels	1



Light source	Deuterium (D ₂) lamp with integrated GLP chip
Detection	
Wavelength range	190 - 750 nm
Spectral bandwidth	11 nm at H _α line (FWHM)
Wavelength accuracy	± 2.5 nm
Wavelength precision	0.3 nm (ASTM E275-93)
Noise	± 1.5 x 10 ⁻⁵ AU at 254 nm (ASTM E1657-98)
Drift	3.0 x 10 ⁻⁴ AU/h at 254 nm (ASTM E1657-98)
Linearity	> 2.0 AU at 270 nm (ASTM E1657-98)
Time constants	0.0 / 0.1 / 0.2 / 0.5 / 1.0 / 2.0 / 5.0 / 10.0 s
Flow cell	Not included (see Accessories / Spare parts)
Integration time	Automatic
Communication	
Maximum data rate	50 Hz (LAN) 20 Hz (Analog)
Inputs	Error (IN), Start (IN), Autozero, 0 - 10 V Analog IN
Outputs	Events 1 - 3, + 5 V, 24 V Valve
Analog outputs	1 x 0 - 5 V scalable, 20 bit, offset adjustable
Control	Digital: LAN, remote connector Analog: wavelength control Manual: Mobile Control (optional)
Programming	Timed: wavelength, events, fraction valve, links, wake up (program, link); 9 programs, 50 program lines
Technical parameters	
GLP	Detailed report including lamp recognition, operating hours, lamp operating hours, number of lamp ignitions
Display	Mobile Control (optional)
Ambient conditions	Temperature range: 4 - 40 °C, 39.2 - 104 °F Humidity: below 90 % noncondensing
General	
Power supply	100 - 240 V, 50 - 60 Hz, 75 W
Dimensions	361 x 158 x 523 mm (W x H x D)
Weight	5.9 kg
Leak sensor	Yes













Note	Flow cells are not included and must be ordered separately (see Accessories / Spare parts)
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Downloads

	AZURA Detector UVD 2.1L user manual	AZURA UVD 2.1L Detector user manual, V6831A	English
	AZURA Detector UVD 2.1L user manual	AZURA Detektor UVD 2.1L Benutzerhandbuch, V6831	Deutsch
	Certificate Lamp Replacement	Certificate Lamp Replacement, V6836A	English
	SN0131:-UV detectors	2014/05	English
	List of supported devices in chromatography data systems	Device support in KNAUER CDS / KNAUER device support in 3rd party software	English




Accessories / Spare parts

	Mobile Control	Software controlling AZURA devices/ system including 10" tablet	A9607
	Deuterium Lamp	for AZURA UVD 2.1S, UVD 2.1L, DAD 2.1L, MWD 2.1L and Smartline 2520 detectors	A5193

	Tool kit AZURA	tool kit for systems with PEEK or precut capillaries	A1033
	Analytical UV Flow Cell	10 mm path length, 1/16", 10 µl volume, 300 bar, stainless steel, one sided inlet and outlet	A4061XB
	Semi-preparative UV Flow Cell	3 mm path length, 1/16", 2 µl volume, 300 bar, stainless steel	A4042
	Semi-preparative UV Flow Cell	3 mm path length, 1/16", 2 µl volume, 30 bar, biocompatible	A4045
	Preparative UV Flow Cell	0.5 path length, 1/16", 3 µl volume, 200 bar, stainless steel	A4069
	Preparative UV Flow Cell	0.5 mm path length, 1/16", 3 µl volume, 100 bar, biocompatible	A4095
	Preparative UV Flow Cell	variable path length and variable volume, 1/8", 200 bar, stainless steel	A4066
	Preparative UV Flow Cell	variable path length and variable volume, 1/8", 100 bar, biocompatible	A4067
	Preparative UV Flow Cell	variable path length and variable volume, 1/4" angular connections, 200 bar, stainless steel	A4068
	Preparative UV Flow Cell	variable path length and variable volume, 1/4" straight connections, 200 bar, stainless steel	A4068-2
	Test Cell	standard test cell for AZURA UVD 2.1S, UVD 2.1L and Smartline 200, 2520, 2500, 2550 and 2600	A4123
	Test Cell with Holmium Filter	standard test cell with holmium filter for AZURA UVD 2.1S, UVD 2.1L and Smartline 200, 2520, 2500, 2550 and 2600 detectors	A4126
	Test Cell with Stray Light Filter	standard test cell with stray light filter for AZURA UVD 2.1S, UVD 2.1L and Smartline 200, 2520, 2500, 2550 and 2600	A4146

	Accessory kit AZURA UVD 2.1S and UVD 2.1L	included in shipkit	FDA
	Accessory kit AZURA large devices	cable kit for all devices with footprint "L" included in shipkit	FZA02

Related products

	AZURA UV/VIS Detector UVD 2.1L Fiber Optics	190 - 750 nm, variable single wavelength UV/VIS detector with fiber optic connectors	ADA04XA
	AZURA UV Detector UVD 2.1S	190 - 500 nm, small variable single wavelength UV detector	ADA00
	AZURA UV Detector UVD 2.1S Fiber Optics	190 - 500 nm, small variable single wavelength UV detector with fiber optics connectors	ADA05

Technical data are subject to change without notice.

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