

AZURA UV Detector UVD 2.1S Fiber Optics

Article No.: ADA05

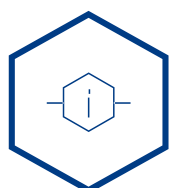
Small variable single wavelength detector with fiber optics connectors

The AZURA UVD 2.1S is a highly competitive single variable wavelength UV detector for HPLC. It offers excellent technical specifications for routine laboratory work. With its small footprint, it is one of the smallest detectors for HPLC on the market. The UVD 2.1S comes in the novel small AZURA housing. The installed deuterium lamp covers a wavelength range from 190 to 500 nm. The UV detector can be controlled with OpenLab® EZChrom Edition, ChromGate®, PurityChrom Bio and ClarityChrom® software, as well as from the front panel (stand-alone operation), via LAN, via RS-232, 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. This fiber optics version offers the possibility to separate the flow cell spatially from the device and thus provides enhanced security for hazardous, explosive or toxic work processes.



AZURA UVD 2.1S with fiber optics connector

KEY FEATURES



compact



large choice of flow cells



fiber optics version



55 years experience



Made in Germany

TECHNICAL DATA

Detection

Detector type	Variable single wavelength UV detector
Version	fiber optics version
Detection channels	1
Light source	Deuterium (D ²) lamp with integrated GLP chip
Wavelength range	190 - 500 nm
Spectral bandwidth	13 nm at H _α line (FWHM)
Wavelength accuracy	± 3 nm
Wavelength precision	0.7 nm (ASTM E275-93)
Noise	± 2.5 x 10 ⁻⁵ AU at 254 nm (ASTM E1657-98)
Drift	4.0 x 10 ⁻⁴ AU/h at 254 nm (ASTM E1657-98)
Linearity	> 2.0 AU at 270 nm (ASTM E1657-98)

Maximum data rate	50 Hz (LAN)/20 Hz (Analog)/10 Hz (RS-232)
Flow cell	Not included (see Accessories / Spare parts)
Time constants	0.00 / 0.02 / 0.05 / 0.1 / 0.2 / 0.5 / 1.0 / 2.0 s
Integration time	Automatic

Communication

Inputs	Autozero, Start (IN), Error (either IN or OUT), 0 - 10 V Analog IN
Outputs	Error (either OUT or IN)
Analog outputs	1 x ± 2.5 V scalable, 20 bit
Control	Digital:LAN,RS-232, remote connector/Analog: wavelength control/Manual: front panel

Technical parameters

GLP	Lamp operating hours
Display	LED
Ambient conditions	temperature range: 4 - 40 °C, 39.2 - 104 °F air humidity: below 90%, non-condensing

General

Power supply	External: input 100 - 240 V, output 24 V DC, 60 W
Dimensions	121 x 129 x 187mm (W x H x D)
Weight	1.5 kg

Other

Note	Fiber optic cables and flow cells are not included and must be ordered/separately (see Accessories / Spare parts)
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RELATED PRODUCTS



AZURA UV Detector UVD 2.1S

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AZURA UV/VIS Detector UVD 2.1L Fiber Optics

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AZURA UV/VIS Detector UVD 2.1L

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Brochures

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Information

AZURA Detektor UVD 2.1S Benutzerhandbuch

AZURA Detektor UVD 2.1S Benutzerhandbuch, V6820

Brochure English PDF 1.4 MB

ACCESSORIES & SPARE PARTS



Mobile Control Chrom

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Deuterium Lamp

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Analytical UV Flow Cell

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Test Cell with Holmium Filter

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