

AZURA UVD 2.1L

single wavelength UV/VIS detector

Article number: ADA01



UV detector

The AZURA UV Detector UVD 2.1L is a competitively priced HPLC spectro-photometer for routine HPLC applications including fast LC methods. One variable wavelength offers flexibility in detection. Besides offering excellent technical specifications, this robust UV detector features a highly flexible and compact design.

Key features


- large selection of easily accessible flow cells
- optional touch display available
- analytical or preparative use
- standard version offers wavelength range from 190-750 nm

Details

Detector type	two beam monochromator spectrophotometer
Light source	standard: D ₂ lamp or tungsten halogen lamp on request
Wavelength accuracy	± 2.5 nm
Wavelength precision	0.3 nm RSD
Data acquisition rate	LAN: 50 Hz Analog: 50 Hz
Wavelength range	D ₂ : 190 - 750 nm tungsten halogen lamp: 400 - 900 nm
Spectral bandwidth	10 nm at 656 nm
Noise	± 15 µAU at 254 nm
Drift	300 µAU/h at 254 nm
Linearity	> 2 AU
Flow cell	not included (see Accessories / Spare parts)
Integration time	automatic

Analog outputs	integrator:1 channel, 0 to 5V, DAC 16 bit, scalable, offset adjustable. events 1-3, freely adjustable, 24V to solvent recycling with optional solenoid valves
Analog inputs	error, autozero, external wavelength
Control	digital: RS-232, LAN analog: control voltage for wavelength selection
Leak sensor	yes
Ambient conditions	10 - 40°C, humidity range 10 - 90% non condensing
Display	optional control unit
Power supply	100 - 240 V, 50 - 60 Hz, max. 70 W; power consumption in standby mode: 8 W
Dimensions	361 x 158.2 x 523 mm (W x H x D)
Weight	6 kg

Accessories / Spare parts

	Title	Article number	Description
	Control Unit CU 2.1	AZD00	Direct control of AZURA devices via touchscreen
	AZURA tool kit	A1033	tool kit for all AZURA devices
	Deuterium lamp	A5193	replacement, for AZURA UVD 2.1L, UVD 2.1S, Smartline UV Detector 2550 (A5190) and Smartline UV Detector 2520, original spare part
	Analytical flow cell UV	A4061	10 mm path length, 10 µl volume, 1.1 mm ID, 1/16", stainless steel, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2500, 2520 and 2600
	Analytical flow cell UV	A4042	3 mm path length, 2 µl volume, 1 mm ID, 1/16", stainless steel, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2500, 2520, 2550, 2600,
	Analytical flow cell UV	A4045	3 mm path length, 2 µl volume, 1 mm ID, 1/16", PEEK, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2500, 2520, 2600

	Preparative flow cell UV	A4066	variable path length, 25 µl volume, 2.3 mm ID, 1/8", stainless steel, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2500, 2520, 2550, and 2600
	Preparative flow cell UV	A4067	variable path length, 25 µl volume, 2.3 mm ID, 1/8", PEEK, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2500, 2520, 2550, and 2600
	Preparative flow cell UV	A4068	variable path length, 160 µl volume, 4 mm ID, 1/4" angulate tubing connection, stainless steel, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2500, 2520, 2550, and 2600
	Preparative flow cell UV	A4069	variable path length, 3 µl volume, 0.8 mm ID, 1/16", stainless steel, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2500, 2520, 2550 and 2600
	Preparative flow cell UV	A4095	variable path length, 3 µl volume, 0.8 mm ID, 1/16", PEEK, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2500, 2520, 2550, and 2600
	U-Z View micro flow cell	A4091	8 mm path length, 0.14 µl volume, 0.15 mm ID, 1/16", fused silica, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2520, 2550, 2600
	U-Z View micro flow cell	A4092	8 mm path length, 0.035 µl volume, 0.15 mm ID, 1/16", fused silica, for AZURA UVD 2.1L, UVD 2.1S, Smartline detectors 200, 2520, 2550, 2600

Technical data are subject to change without notice.

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