SYKAM
CHROMATOGRAPHY

S 3350 PDA DETECTOR

*The **Sykam S 3350 UV/ Vis Detector** is a photo-diode-array (PDA) detector for routine analysis and sophisticated research. The dual lamp design offers a wavelength range of 190 – 720 nm (256 Diodes) or 190 - 1015nm (1024 diodes) with a low baseline noise. The front-accessible flowcell can easily be exchanged, as can be the lamps which are accessible through a side panel in the instrument housing.*

■ 4-Channel UV Detector

The ***S 3350 PDA Detector*** features 4-Wavelength channels to measure chromatograms at 4 different wavelengths at the same time. With this feature the optimum wavelength can be selected for each analyzed substance.

■ Integrated Peak Detector

The integrated Peak Detector works as a basic fraction collector. The peak detection level can be freely programmed for peak start and peak end to enhance the collection purity. An integrated 24V output for switching a solenoid valve is used for the fraction collection, which is automatically operated with a selectable time delay.

■ Optional – Analog Output

The ***S 3350 PDA Detector*** is available with an optional 4-Channel analog output. This D/A converter output option is offered to keep the system flexible to be used with any data acquisition software available.

MADE IN GERMANY

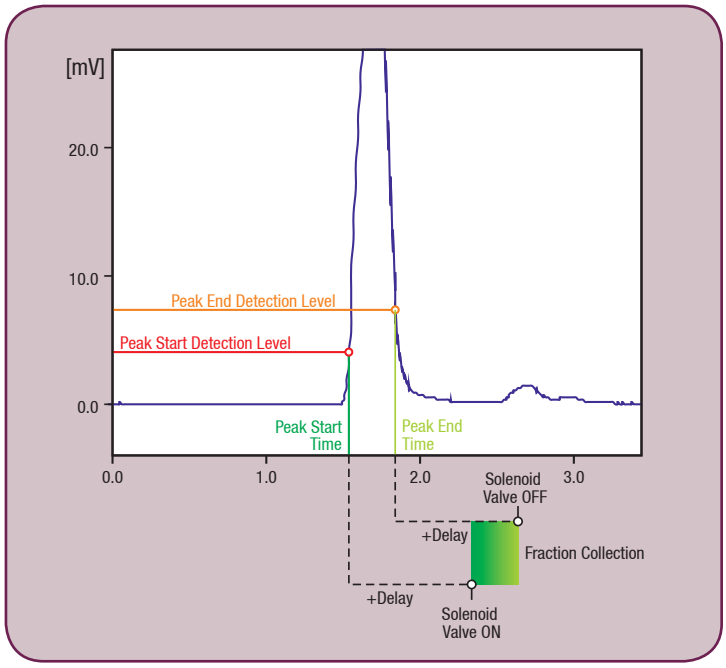

Figure: S 3350 Peak Detector

Technical Specifications*

Wetted Materials:	Stainless Steel / PEEK*, Teflon, Glas
Baseline Noise:	± 1 x 10^{-5} AU (@240 nm, 1 sec. Risetime)
Baseline Drift:	<3 x 10^{-4} AU/h
Number of Diodes:	256 or 1024
Wavelength Range:	190 – 720 nm
Wavelength Accuracy:	0.5 nm (256 Diodes); 0.3 nm (1024 Diodes)
Mean Pixel Pitch:	2.2 nm (256 Diodes), 0.8 nm (1024 Diodes)
Resolution (λ FWHM):	7 nm (256 Diodes), 3 nm (1024 Diodes)
Linearity:	> 2.0 AU
Light Source	Deuterium Lamp, Tungsten Lamp
Wavelength Program:	Programmable, 10 steps
Analog Output:	- (*optional*: 4x 1V)
Data Rate:	1 Hz - 100 Hz
Control Features:	Internal Peak Detector with +24 V solenoid switching output.
Dimensions: (W x H x D)	396 x 165 x 478 mm
Power Supply:	100 - 250 ~V (47 - 63 Hz)

* depending on configuration

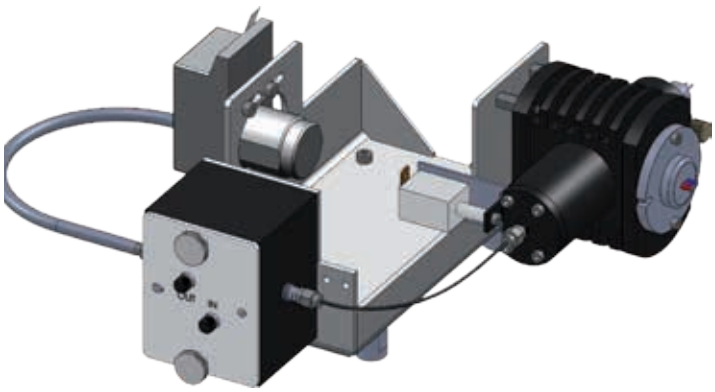

Figure: S 3350 Optical Module

Order Information

Catalog No	Description
10 31 017	S 3350 PDA Detector - 256 Diodes
10 31 018	S 3350 PDA Detector - 1024 Diodes
10 31 019	*option*: 4-Channel Analog Output
10 32 015	S 3350 Flowcell, analytical, Stainless Steel
10 32 016	S 3350 Flowcell, analytical, PEEK
10 32 017	S 3350 Flowcell, micro, Stainless Steel
10 32 018	S 3350 Flowcell, micro, PEEK
10 32 019	S 3350 Flowcell, preparative, Stainless Steel
10 32 020	S 3350 Flowcell, preparative, PEEK
40 10 002	Spare Deuterium Lamp
40 10 012	Spare Longlife Tungsten Lamp

** All technical specifications may be subject to change.*

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