SYKAM
CHROMATOGRAPHY

S 3250 UV/VIS DETECTOR

*The **Sykam S 3250 UV/Vis Detector** is a variable wavelength UV/Vis detector for routine analysis and sophisticated research. The dual lamp design offers a wavelength range of 190 – 800 nm 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.*

■ Integrated Wavelength Program

The ***S 3250 UV/Vis Detector*** features a wavelength program to change the selected wavelength over time. With this feature the optimum wavelength can be selected for each analyzed substance according to its retention time.

■ 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 – Dual-Wavelength

The ***S 3250 UV/Vis Detector*** is available with an optional second wavelength. This feature enhances the Wavelength Program feature that you can measure 2 different wavelengths at the same time. A second D/A converter output comes with this option to keep the system flexible to be used with any data acquisition software available.

■ Optional – Online-Scan

Another option for the ***S 3250 UV/Vis Detector*** is the Online Scan. With the Online Scan whole spectrum information can be gathered at a certain time. This scan information is stored internally and can be accessed at any time. The Online Scan is a good alternative to a full UV PDA detector.

MADE IN GERMANY

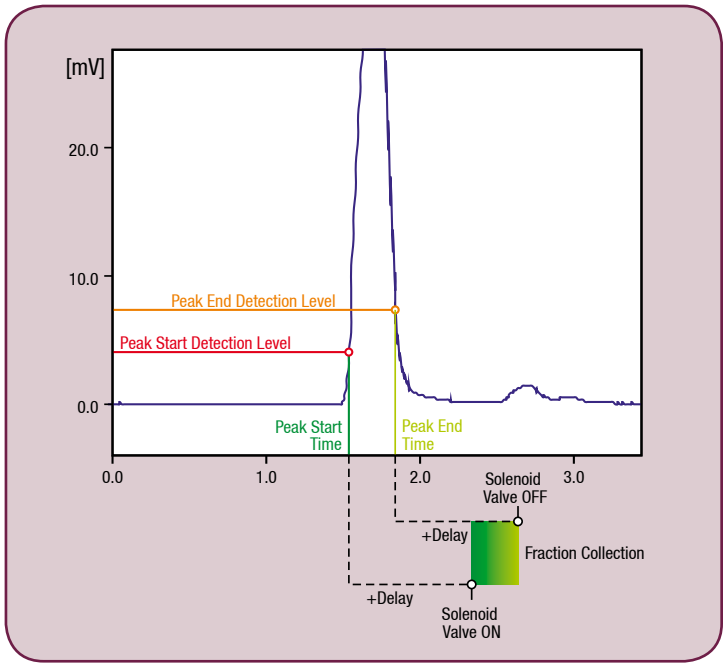

Figure: S 3250 Peak Detector

Technical Specifications*

Wetted Materials:	Stainless Steel / PEEK*
Baseline Noise:	± 1 x 10^{-5} AU (@240 nm, 1 sec. Risetime)
Baseline Drift:	<3 x 10^{-4} AU/h
Wavelength Range:	190 – 800 nm
Wavelength Accuracy:	± 2 nm
Linearity:	> 2.0 AU
Light Source	Deuterium Lamp, Tungsten Lamp
Wavelength Program:	Programmable, 10 steps
Analog Output:	1x 1 V (*optional*: 2x 1V)
Control Features:	Internal Peak Detector with +24 V solenoid switching output.
Dimensions: (W x H x D)	310 x 165 x 478 mm
Power Supply:	100 - 250 ~V (47 - 63 Hz)

* depending on configuration

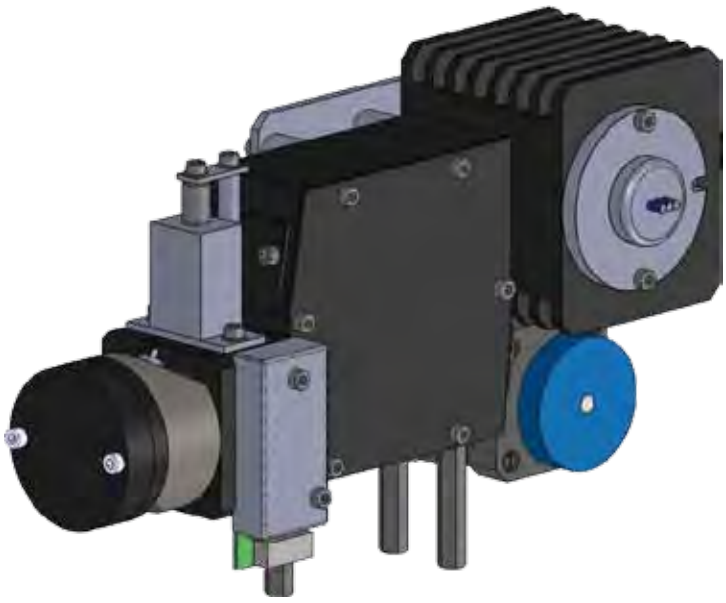

Figure: S 3250 Optical Module

Order Information

Catalog No	Description
10 31 008	S 3250 UV/Vis Variable Wavelength Detector
10 31 009	*option*: Dual Wavelength
10 31 010	*option*: Online Scan
10 32 009	S 3250 Flowcell, analytical, Stainless Steel
10 32 010	S 3250 Flowcell, analytical, PEEK
10 32 011	S 3250 Flowcell, micro, Stainless Steel
10 32 012	S 32505 Flowcell, micro, PEEK
10 32 013	S 3250 Flowcell, preparative, Stainless Steel
10 32 014	S 32505 Flowcell, preparative, PEEK
40 10 002	Spare Deuterium Lamp
40 10 001	Spare Longlife Tungsten Lamp

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

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