

TECHNICAL DETAILS

Sykam Blue Photodiode Array Detection System

The 4-channel Sykam Blue Photodiode Array Detection System can measure four different wavelengths simultaneously in the range of 190 to 720 nm (or 1015 nm respectively).

Dual-lamp excitation, fiber optics, and a Z-shaped flow cell (in stainless steel or PEEK) work together for high sensitivity with low noise for routine analyses and sophisticated research.



S 3345 PDA Detector

Also available in a version with a wider housing (S 3350)

PARAMETER	SPECIFICATION
Flow cell material	Stainless steel or PEEK
Baseline noise	$\pm 1 \times 10^{-5}$ AU (@240 nm, 2 sec. Risetime)
Baseline drift	$< 3 \times 10^{-4}$ AU/h
Number of diodes	256 or 1015
Wavelength range	190–720 nm (256 diodes) 190–1015 nm (1024 diodes)
Wavelength accuracy	0.5 nm
Mean pixel pitch	2.2 nm
Resolution (lambda FWHM)	7 nm
Linearity	> 2.0 AU
Light source	Deuterium Lamp, Tungsten Lamp
Wavelength program	Programmable, 10 steps
Output	Analog (4×1 V) or fully digital
Data rate	1–100 Hz
Control features	Internal Peak Detector with +24 V solenoid switching output
Dimensions	310×165×478 mm W×H×D
Weight	11 kg
Power supply	100–250 V, 47–63 Hz
Article numbers	S000164 (256 diodes) S000165 (1024 diodes)