



# Variable Wavelength Detector / UV or Visible

S-3171

S-3271

Analytical / preparative-use for a target sample and easy incorporating in a instrument, these 2 types Variable Wavelength Detector / UV or Visible are



## ● Features

- Various sample cells ( From analytical-use to large amount preparative-use ※Option )
- Suitable for incorporating in a instrument
- Monitoring function of the Lamp lighting time
- Compact design and Light weighting
- Easy connection to control units ( USB, RS232C ※Option )
- Multi-power supply ( AC100 ~ 250 V )

S-3171/S-3271

## Specifications

Product No.	S-3171	S-3271
Light source	Deuterium lamp ( Average guarantee life : 2000 hours )	Tungsten lamp ( Average guarantee life : 2000 hours )
Optical system	Monk-Gillieson-Type	
Wavelength range	195 ~ 370nm	400 ~ 800nm
Wavelength accuracy	±2nm	
Wavelength reproducibility	±0.5nm	
Spectral band width	7nm	
Flow cell	Cassette type (Standard analysis type) ※1 Capacity: 8 μL Optical length: 10mm Max. in cell pressure: 4.9 MPa Materials to be in contact with liquid : SUS316, Quartz and Teflon	Cassette type (Standard analysis resin cell) ※1 Capacity: 8 μL Optical length: 10mm Max. in cell pressure: 4.9 MPa Materials to be in contact with liquid : PEEK, Quartz and Teflon
Receptor	Silicon photodiode	
Ranges	0.005, 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2ABU/FS (9 ranges), SHORT (Output 0)	
Response	FAST, MEDIUM, SLOW 3 steps	
Auto-zero	Max. absorbance of solvent: ±1	
Min. detection sensitivity	0.0001ABU	
Displays	Digital 3½ digit — Absorbance, Reference and Sample. Display changes when each lamp is turned on.	
Out put	Recorder output: 10mV / FS Integrator out put: 0.2V / ABU, 1V / ABU, 4-20mA	
Marker	Approx. 10% / FS (Injection marker) External signal: to be connected to EXT. AUTO terminal	
Noise level	less than 0.0001ABU (Wavelength : 254nm, Response : SLOW, dry cell) (Wavelength : 570nm, Response : SLOW, dry cell)	
Drift	0.0005ABU/h (Wavelength : 254nm, dry cell, Uniformity room temp., 1 hour later, after being turned on.) (Wavelength : 570nm, dry cell, Uniformity room temp., 1 hour later, after being turned on.)	
Power supply	AC100~250V 50/60HZ 100VA	
Operating environment	Temperature: 15~35°C Humidity: 45~80%	
Dimensions	144mm(W) × 158mm(H) × 427mm(D) ( Except convex parts such as knob, connector, rubber feet etc... )	

※ 1 Various cells; analysis, preparative are available

※ The specifications are subject to change without notice.

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