



Ultraviolet Absorbance Detector Visible Absorbance Detector

S-3161

S-3261

Suitable for Production Process Control and Quality Control !

Analytical / preparative-use for a target sample, in-line monitoring detector and easy incorporating in a instrument, these 2 types Fixed Wavelength Detector / UV or Visible are applicable to various needs.



● Features

- Easy wavelength selection by selecting interference filters
- 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-3161/S-3261

Specifications

Product No.	S-3161	S-3261
Light source	Deuterium lamp (Average guarantee life : 2000 hours)	Tungsten lamp (Average guarantee life : 3000 hours)
Wavelength range	By selecting the interference filter ※1 (200nm~380nm Standard: 254nm)	By selecting the interference filter ※2 (380nm~700nm Standard: 570nm)
Optical system	Double beam system	
Spectral band width	10nm	
Flow cell	Cassette type (Standard analysis type) ※3 Capacity: 8 μ L 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) ※3 Capacity: 8 μ L 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)	less than 0.0001ABU (Wavelength : 570nm, Response : SLOW, dry cell)
Drift	0.0005ABU/h 以下 (Wavelength : 254nm, dry cell, Uniformity room temp., 1 hour later, after being turned on.)	0.0005ABU/h 以下 (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) × 120mm(H) × 427mm(D) (Except convex parts such as knob, connector, rubber feet etc...)	
Weight	Approx. 5.5kg	

※ 1 Various interference filters are available

※ 2 Filters corresponding to the wavelength 700~1000nm are also available

※ 3 Various cells; analysis, preparative are available

※ The specifications are subject to change without notice.

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