

OPTIZEN POP Series

OPTIZEN POP chooses our unique high resolving power wavelength measurement mechanism.

OPTIZEN POP Series are single-beam type spectrophotometers and offer stable performance and compact-size and reasonable price to the users. The series are categorized into POP, POP-S, POP-V according to the specification of the products.



OPTIZEN POP offers four measurement modes (Photometric Mode, Quantitative Mode, Spectrum Mode, Kinetics Mode). The user can choose a suitable mode depending on the purpose to measure. The embedded S/W, touch screen interface and application facilitate the use of the device.

OPTIZEN POP Series main characteristics

- Checking and recording the temperature at the analysis moment by applying the temperature measurement system.
- Offering ARM® Cortex™ – A8 processor and supporting basic 16GB storage
- It can measure automatically lots of samples by using Multi Cell.
- Supporting convenient voice service and volume control function
- Supporting network printer.

- Offering a help service with a graphic type.
- Easily and quickly call up the information that is being measured or analyzed by registering it in your favorites.
- Link it with PC by using OPTIZEN View.
- The measurement is possible in the optimal condition by checking the equipment's operation time, lamp warm up condition and accumulated using time in real time.



- The measurement monitoring is possible through choosing cell type without entering a mode and easily checking the current cell condition is possible through a change cell type icon according to the cell type condition or position.

Specifications			
Product Image			
Product Name	OPTIZEN POP	OPTIZEN POP-S	OPTIZEN POP-V
Photometrics System	Single-beam type		
Light Source(s)	Tungsten Halogen Lamp & Deuterium Lamp (Built-in light source auto interchanging motor)		Tungsten Halogen Lamp
Detector	Silicon Photodiode		
Spectral Bandwidth	< 1.8 nm	< 3.0 nm	
Wavelength Range	190 - 1100 nm		340 - 1100 nm
Wavelength Display (setting)	≥ 0.1 nm		
Wavelength Accuracy	< ± 0.5 nm (at D2 peak 656.1, 486.0 nm)		
Wavelength Repeatability	< ± 0.1 nm	< ± 0.2 nm	
Slew Rate	About 7,800 nm/min		
Scanning Speed	max 4,000 nm/min		
Photometric Range	Absorbance : -3 A - 3 A / Transmittance : 0% - 300%		
Photometric Accuracy	< ± 0.005 A (at 1.0 A), < ± 0.003 A (at 0.5 A)		
Photometric Repeatability	< ± 0.001 A		
Baseline Stability	< ± 0.001 A/h (at 700 nm)	< ± 0.002 A/h	
Baseline Flatness	< ± 0.001 A (200 - 1100 nm)	< ± 0.003 A (220 - 1050 nm)	< ± 0.003 A (340 - 1050 nm)
Stray Light	< 0.1%T (220, 340 nm)		
Monochromator	Czerny-Turner type with 1200 lines/nm blazed grating		
Standard Cell Holder	Automatic Rotary type 8-position Multi-Cell Holder		
Lamp Interchange Wavelength	340 - 410 nm (Default 370 nm)		-
Operating System (OS)	Windows® CE		
Display	7 inch color LCD with touch screen		
Control Options	Onboard with built-in touchscreen, Computer		
Dimensions(W*D*H)	433 mm*381 mm*180 mm		
Power Requirement	100 - 240 V; 50 - 60 Hz		
Weight	8 kg		
PC Software	OPTIZEN View for Windows®	(optional) OPTIZEN View for Windows®	