

OPTIZEN™ POP
THE SMART UV-VIS SPECTROPHOTOMETER

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.





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.

Product Qualification

Photometrics System	Single Beam Type
Light Source	Tungsten Halogen Lamp & Deuterium Lamp
Spectral Bandwidth	1.8 nm (190 to 1100 nm)
Wavelength Range	190 to 1100 nm

Wavelength display	0.1 nm
Wavelength accuracy	<± 0.5 nm
Wavelength repeatability	<± 0.1 nm
Slew rate	About 8,800 nm/min
Scan speed	max 4,000 nm/min
Photometric range	Absorbance : -3 to 3 Abs Transmittance : 0 % to 300 %
Photometric accuracy	± 0.005 at 1.0 Abs
Stray lighty	< 0.05 % NaI at 220 nm, NaNO ₂ at 340 nm
Baseline stability	<± 0.001 Abs/h
Baseline flatness	± 0.002 Abs
Monochromator	Czerny-Turner type with 1200 lines/nm blazed grating
Lamp interchange Wavelength	340~410 nm (Default 370 nm)
Standard cell Holder	Autometic Rotary type 8-position Multi-Cell Holder
Display	7 inch color LCD with touch screen;
Operating system(OS)	Windows CE;
Power Requirement	100~240 V; 50~60 Hz
Weight(kg)	8 kg
Dimensions(W x D x H)	433(W) x 381(D) x 180(H)

* The contents of this document may be changed without notice.

- **Product details**

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.

- **Product Information**

- 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 you 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.