

KeyView™ Flash

Product Specifications



KeyView™ Flash allows users to determine analyte concentrations with high absolute absorption for preparative chromatography. Using solid state technology, KeyView detectors use maximum light intensity to capture a higher dynamic range of high concentration analytes. Phoseon's KeyView detectors allow users to consistently quantify and isolate fractions of proteins and biomolecules. Six simultaneous absorbance channels include a mini-spectrum in the critical 250-300 nm UV range. The near zero drift with KeyView gives users the confidence of highly reproducible results.



KeyView Benefits

Solid state for high reliability and durability

High Absorbance Unit (AU) range for better visibility of preparative analyte peaks

Multi-Channel (6-channel) including a mini-spectrum from 250-300 nm

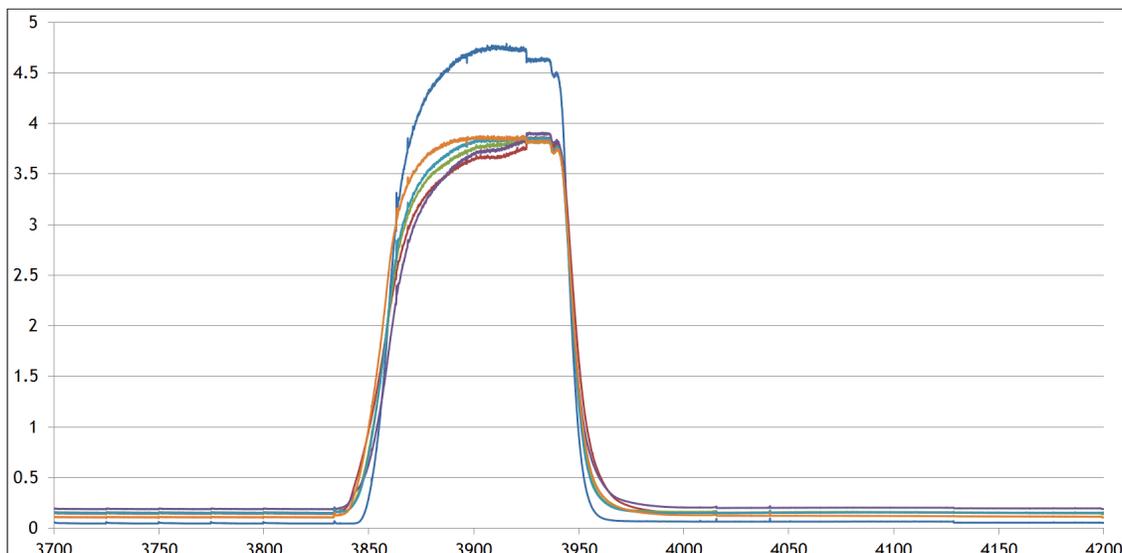
High-intensity 220 nm laser channel for narrow-band resolution (<1 nm band width)

Small form factor for easy integration

High longevity with no bulb replacements for ease-of-use and no downtime

Peak Linearity Absorbance Spectrum

Absorbance peak spectrum for maximum linearity range using concentrated squid ink. 220 nm, 255 nm, 265 nm, 275 nm, 285 nm, and 307 nm



Target Model Usage

Prep: Labs that use flash chromatography to quantify and isolate fractions of proteins and biomolecules for pharmaceutical drug discovery R&D.

Operation

Phoseon's patented Semiconductor Light Matrix (SLM™) technology offers improved stability with solid-state light sources. The near zero drift with KeyView gives users the confidence of highly reproducible results. Solid-state light engines are inherently stable and repeatable for years of service.

Technical Specifications

KeyView Detector	
Light Sources	Solid-state (Laser + LED)
Channels	6 simultaneous
Wavelengths	220 nm + UV mini-spectrum (255, 265, 275, 285, 295 nm)
Typical Spectral Half Width	10 nm (255, 265, 275, 285, 295 nm channels)
Typical Spectral Half Width	<2 nm (220 nm channel)
linearity Max	4 AU
Noise Min	3.96E-05 (255 nm channel)
Noise Max	5.10E-05 (220 nm channel)
Drift Min	7.05E-05 (255 nm channel)
Drift Max	1.82E-04 (285 nm channel)
Output Sample Rate	20/sec
Temperature	15 deg C to 30 deg C
Humidity	Up to 80% non-condensing for temperatures up to 30 deg C
Flow Rate	Supports flow rates up to 1000 ml/min
Startup Time	<30 sec
Electronic Control	Light output on/off and channel selection
Power Requirements	150 W, 12 VDC, 12.5 A External Power Supply
Dimensions (LxWxH)	39x15x26.5 cm
Certifications	RoHS, REACH

About Phoseon Technology

Since 2002, Phoseon Technology pioneered the use of LED technology for Life Sciences and Industrial Curing. Through our relentless innovation, we deliver high performance, reliable and patented LED based solutions. Our strong focus on customer collaboration has resulted in world-wide market leadership position and presence. Phoseon is an ISO9001 certified company manufacturing award winning products. We uniquely focus 100% on LED technology therefore ensuring superior reliability, business economics, and environmental benefits.