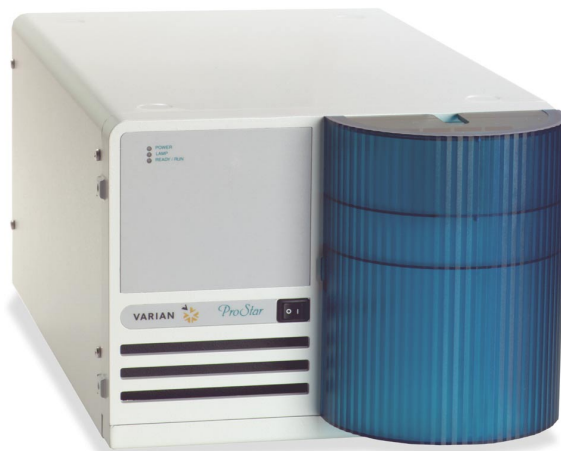


ProStar 335 Diode Array Detector

Built-in versatility for Microbore to Preparative HPLC



- Single detector for all applications
- Complete results with information-rich data
- Routine trace analysis

The ProStar 335 with programmable slit widths delivers the highest sensitivity and spectral resolution from 190 nm to 950 nm. The ProStar 335 easily handles all Microbore to Preparative applications with two diode arrays and dual-pathlength flow cells. The dual-beam optics and a polychromator grating ensure greater accuracy and reliability.

Versatile Platform

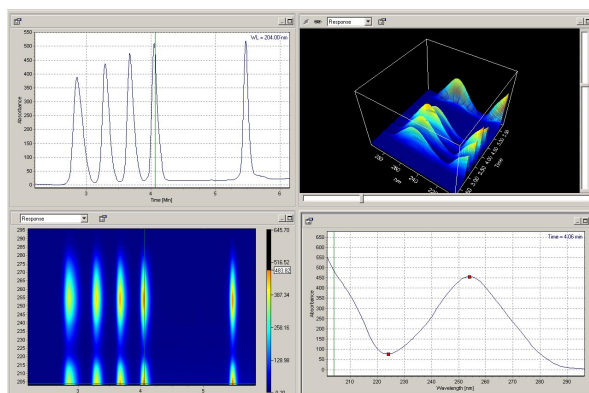
The ProStar 335 features dual pathlength flow cells, coupled with two diode arrays for a combined 2048-elements. This significantly extends its absorbance range capabilities compared to conventional diode array detectors, making the ProStar 335 the only true scale-up diode array detector on the market.

From microbore to preparative flow rates, the ProStar 335 is quickly configured with flow cells for scale-up work. Interchangeable, cartridge-style flow cells handle microliter per minute flow rates to hundreds of milliliters per minute.

Information-Rich Data

The ProStar 335 uses the industry's most comprehensive spectral processing software packages, which makes fast work of reducing spectral data.

Automatic peak identification is easy with user-customized library searches. Compare spectra of an unknown analyte with stored spectral data of known compounds.



Galaxie software uncovers and deciphers minute spectral differences for the most accurate information. The Galaxie 'four view' display shows the chromatogram, 3D, Iso absorbance and spectrum plots of methyl, ethyl, propyl, butyl and heptyl para-hydroxy benzoate.

NOTICE: This document contains references to Varian. Please note that Varian, Inc. is now part of Agilent Technologies. For more information, go to www.agilent.com/chem.

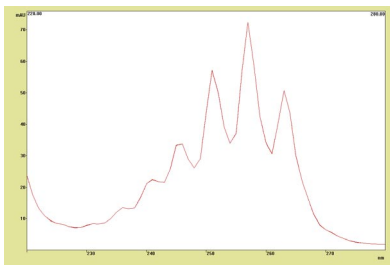
Obtain the most complete and accurate purity information available, by mathematically comparing dissimilarities between spectra across the width of the peak.

In addition Star® Workstation allows you to determine the composition of a mix of known components in unknown amounts using the proven technique of Multicomponent Analysis. You can easily obtain quantitative analysis of groups of up to six overlapping peaks, regardless of their chromatographic resolution.

Superior Resolution

Along with programmable slit widths, Seamless Spectral Coverage Technology* (SSCT) further supports greater sensitivity and spectral resolution. SSCT eliminates second order light to give the most accurate spectral information. Unique focusing lenses in the flow cell dramatically reduce refractive index effects. With superb optical and spectral resolution, the ProStar 335 routinely provides detailed information with even trace amounts of analyte.

* Patent pending



Benzene at 1 nm resolution

Control and Data Handling

Galaxie™ Chromatography Data System, Galaxie Workstation and Star® Workstation all provide complete system control, data analysis, and multiple reporting options. All software packages include tools to facilitate 21 CFR Part 11 compliance.

Regulatory Compliance

The ProStar 335 maintains an on-board electronic logbook with information on lamp energy and lamp hours. Varian offers complete IQ, OQ, and PQ documentation packages and contract services to help meet regulatory requirements. Validation manuals are available for Standard Operating Procedures (SOP) to comply with GLP and GMP requirements.

Tool-Free Maintenance

Routine maintenance is easy with front panel access. With simple thumbscrews securing the lamps and flow cells, no tools are needed.

ProStar 335 Specifications

- Wavelength range: 190–950 nm
- Wavelength accuracy: ± 1 nm, 656 D₂ line, verified with the 486 D₂ line
- Light Source: D₂ and Quartz Halogen
- Spectral resolution/optical bandpass: <1 nm per photodiode with a total of 1024 photodiodes
- Digital resolution: 1 nm
- Linearity range: $\leq 5\%$ to 2 AU, > 2.5 AU upper limit
- Noise: $\pm 1 \times 10^{-5}$ AU
- Drift: 1×10^{-3} AU/hr
- Sensitivity setting range: 1 μ AU to 100 AU with software
- Filter setting range: Software
- Slit width: 1, 2, 4, 8 and 16 nm, programmable
- Diode width: <1 nm

Ordering Information

Cat. No.	Description
0010083800	ProStar 335 Diode Array Detector, Microbore to Analytical
0010083900	ProStar 335 Diode Array Detector, Analytical to Preparative
0210182100	Microbore Flow Cell, 4 mm single pathlength
0210181800	Analytical Flow Cell, 9 mm single pathlength
0210181900	Preparative Flow Cell, 9 mm x 1 mm dual pathlengths
0210182000	Super Preparative Flow Cell, 4 mm x 0.15 mm dual pathlengths

Varian, Inc. • www.varianinc.com
 • North America 800.926.3000, 925.939.2400
 • Europe The Netherlands: 31.118.67.1000
 • Asia Pacific Australia: 613.9560.7133
 • Latin America Brazil: 55.11.3845.0444
 • Other sales offices and dealers throughout the world