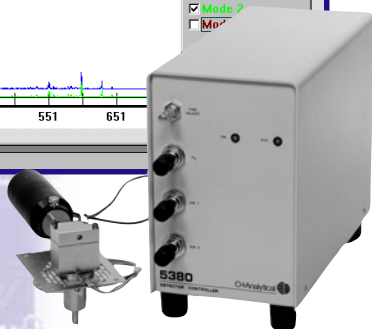
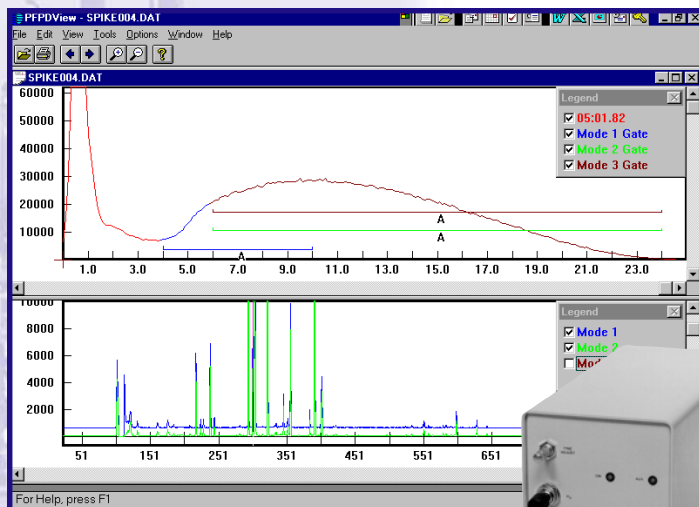


PFPDView Software

Optional Control Software for the Pulsed Flame Photometric Detector



- Displays post-run pulse emission profiles and up to five chromatograms using different gate parameters
- Provides heteroatom structural information of unknown compounds
- Reanalyzes off-line chromatographic runs under different PFPD parameters
- Improves sensitivity and selectivity with post-run gate optimization
- Enhances interheteroatom selectivity with off-line optimization of dual gate modes
- Provides dual gate response ratios for elemental identification and multi-element analysis

Optimized Capabilities Using PFPDView

- Reducing S interference in P pesticide analysis
- Simultaneous multi-element analysis
- Optimal gate settings for best sensitivity and selectivity
- Elemental identification with dual gate response ratio
- Extended sulfur dynamic range
- Quenching identification and reduction

PFPDView places the full power of the Pulsed Flame Photometric Detector's capabilities in the analytical chemist's hands.

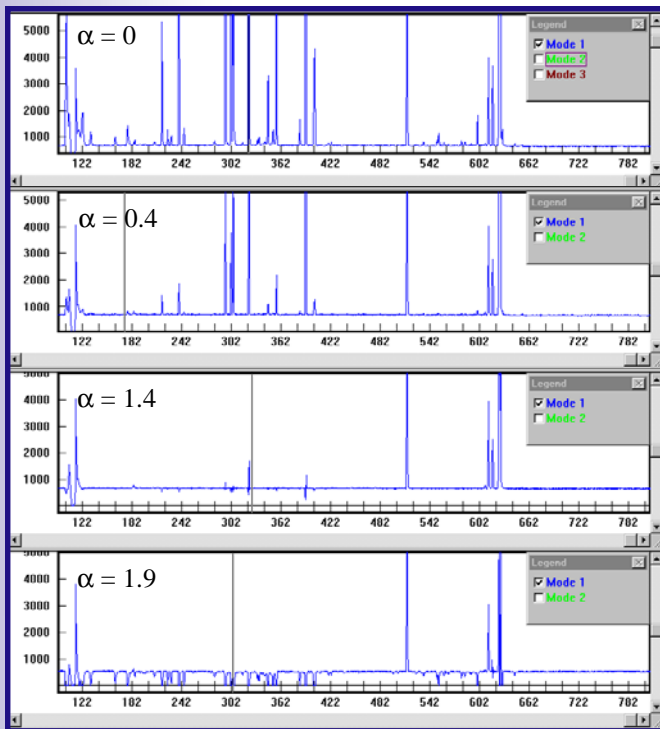
PFPDView, an optional Windows®-based software package for the OI Analytical Model 5380 Pulsed Flame Photometric Detector (PFPD), reprocess part or all of a chromatogram under different PFPD operational conditions. Adjust the parameters for optimal selectivity without the extra time and expense of rerunning the analysis to find the ideal settings. Change the gate parameters and instantly view the resulting chromatogram. View up to five different chromatograms at once to easily determine optimal run parameters for a given application or for an individual analysis. This powerful reprocessing capability is very useful in detector and dual gate mode optimization and method development for challenging applications.

Review the emission traces to obtain chemical structural information on a specific peak using the digitally-stored pulsed flame emission traces collected through the Model 5380's WinPulse program.

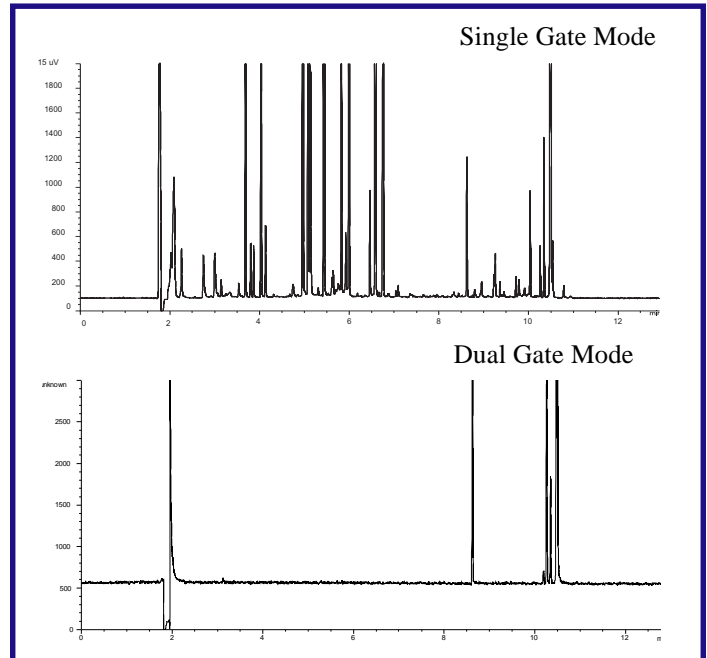
Export chromatograms as a new GC data file (AIA format) for import into most chromatographic data systems. View, reprocess, print, or reintegrate the GC run under the new PFPD parameters without rerunning the sample.

PFPDView Computer Requirements

Parameter	Minimum	Recommended
Computer	IBM Compatible	IBM Compatible
Processor/speed	Pentium® 100 MHz	Pentium 200 or better
Memory (RAM)	16 MB	48 MB or greater
Free hard drive space	2 MB	10 MB
Operating system	Windows 3.1	Windows 95/98/NT
Graphics	640 x 480	800 x 600
Monitor	Color VGA	Color SVGA
Disk drive	FDD-3.5"	FDD-3.5"
Com ports	(1) RS-232 (avail)	(1) RS-232 (avail)



Optimizing the alpha value in dual gate mode
(P gate 4–10 sec; S gate 10–24.9 sec)



Spiked garlic extract chromatogram—PFPD dual gate subtracted

Export AIA Data screen

The PFPD was developed and patented by Dr. Aviv Amirav, Professor of Chemistry at the University of Tel Aviv, Israel and is licensed to O.I. Corporation.

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Windows is a registered trademark of Microsoft Corporation.

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