

xylem



# Selective detectors for gas chromatography

# Optimized performance for unmatched compound sensitivity

	5383 PFPD	5370 XSD	4450 PID/FID
Sulfur compounds	Green	White	White
Aromatics	White	White	Green
Alkenes	White	White	Green
Arsenic/Tin	Green	White	White
BTEX	White	White	Green
Chemical Weapon Agents (CWA)	Green	Green	White
Chlorinated pesticides	White	Green	White
Chlorinated VOC's	White	Green	White
Herbicides	Green	Green	White
Olefins	White	White	Green
PCBs	White	Green	White
Phosphorus compounds	Green	White	White
S/P pesticides	Green	White	White
VOCs	White	White	Green

## Designed for challenging analytical applications

Selective GC detectors enhance chromatographic performance by measuring trace levels of target compounds in the presence of higher concentration compounds, or matrix interferences. They also provide precise retention time marking for improved MS library matching and peak identification.

OI Analytical's selective GC detectors provide solutions to challenging analytical applications. Detecting sulfur species in petrochemicals, trace levels of organochlorine and organophosphorus pesticides in food samples, or sulfur and aromatic compounds in flavor and fragrance extracts are prime example of applications that benefit from the use of selective GC detectors.

## PFPD – Pulsed Flame Photometric Detector

The PFPD is the best selective GC detector for sulfur and phosphorous compounds that exists in the market today. It can produce simultaneous chromatograms with a single detector, electronically filter out hydrocarbon background for near-infinite selectivity, and be configured to detect 26 other elements as well.



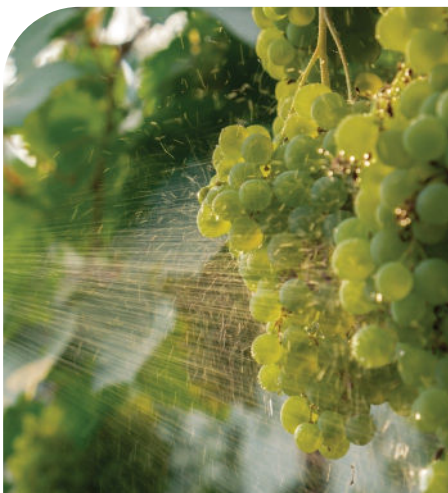
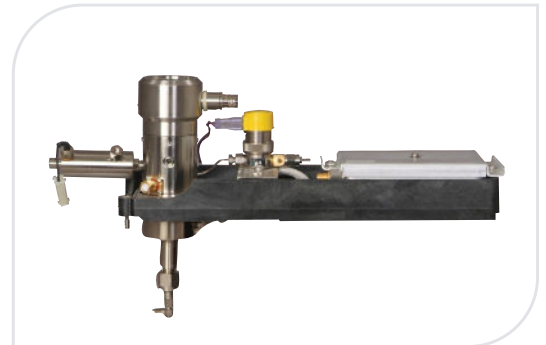
## XSD – Halogen Specific Detector

The XSD halogen specific detector is designed for selective detection of halogenated compounds such as pesticides and PCBs. This detector offers the most reliable way to detect chlorinated compounds, without using any hazardous reagents or reactive source and overall lower maintenance.



## Tandem GC detectors

OI Analytical's tandem GC detectors combine a photoionization detector (PID) with an FID or second selective detector providing two simultaneous chromatograms from a single run. The PID selectively responds to aromatic and unsaturated hydrocarbons in the presence of alkanes and saturated hydrocarbons. The second detector is used to further differentiate and identify compounds with specific heteroatoms.



# Xylem l'zīlāml

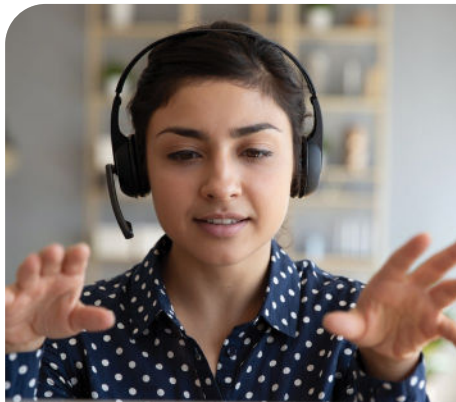
- 1) the tissue in plants that brings water and nutrients upward from the roots.
- 2) a leading provider of unique solutions for your lab.

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