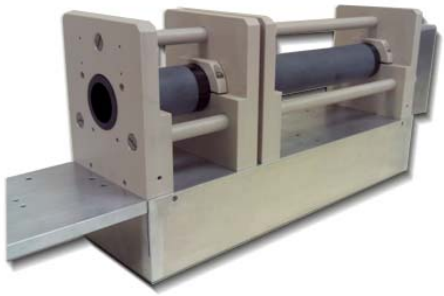
PHOTONIS

IMS Analyzer Platform



Featuring:

- Significantly higher resolving power (64-150)
- Compact size for bench top or mass spectrometer applications
- Novel, robust ion gate technology for reliable analysis
- Patented Resistive Glass technology for improved performance

Simple, Compact Design

PHOTONIS' new IMS Analyzer is a complete integrated unit which includes reaction and drift tubes, a new ion gate, a heater unit and integrated controls to perform IMS analysis. It features a compact design for simple integration with most mass spectrometers or for stand-alone bench top use. The new analysis platform is designed to be scaled or customized to interface with a wide variety of instruments to simplify IMS analysis in applications where a narrow range of contaminants need to be quickly identified. Its unique design allows the user to quickly and inexpensively perform a simple IMS analysis and receive fast, accurate results even at room temperature sampling.

High Resolving Power

The new PHOTONIS IMS Analyzer features a range of innovative technologies which combine to provide significantly higher resolving power when compared to currently available commercial IMS instruments, producing values ranging from 64-150. The new IMS unit also features a new, robust ion gate technology which improves resolution and simplifies serviceability.

Superior Ion Throughput

Key components of the IMS Analyzer are made from Resistive Glass to replace conventional lens assemblies. In the new IMS Analyzer, the reaction and drift tubes are comprised of Resistive Glass, providing a solid piece construction that allows uniform counter flow of drift gas without the need for additional containment. Resistive Glass is manufactured in a patented process by PHOTONIS that creates an electric field to guide or direct charged particles, resulting in greater ion throughput and sample transfer.

Identification Made Simple

The new PHOTONIS IMS Analyzer provides a compact and reliable analysis platform with improved performance. Its high resolving power and robust ion gate make it ideal for use in a variety of applications where high volume, accuracy and speed of identification is critical to applications such as those involving product safety, composition analysis and environmental control.

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