PTRam Extended Range Process Analyzer

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The PTRam Extended Range Process Analyzer is a process development 785 nm Raman analyzer. It is designed for product and process development use in labs and pilot plants. With its extended range of wavelength monitoring, this analyzer provides enhanced capabilities for your molecular analysis needs.

This advanced system allows detection from low-frequency modes below 150 cm^{-1}. This enables the analysis of lattice vibrations and intermolecular interactions that are critical for materials science and polymer research. Its upper range, reaching up to 3350 cm^{-1}, facilitates the detection of high-frequency vibrations such as N-H stretching modes. This is essential for the characterization of organic and biological molecules. These improvements significantly expand the analyzer's ability to characterize complex molecular structures with precision.

The PTRam Process Analyzer remains a high-performance, robust, and reliable Raman system that features self-calibration and automated performance validation to ensure the validity of every measurement. This single-sample channel system includes a lab fiber optic probe with a user-replaceable shaft which offers versatility and ease of maintenance. Additionally, the PTRam Process Analyzer is 19" rack-mountable and operates with Vision software, with the option to connect to a 2060 Human Interface for streamlined operation.

The PTRam Process Analyzer is suitable for use in many industries including pharmaceuticals, polymers, chemicals, environmental science, petrochemical, battery technology, semiconductor, and mining, demonstrating its versatility in addressing complex analytical challenges across diverse fields.

Phụ kiện tùy chọn

6.6069.412
Vision 4.1

Vision is the Metrohm software solution for method development and for controlling Metrohm XDS process instruments and B&W Tek instruments

The user-friendly graphics analysis interface makes it easy to apply chemometric algorithms for creating identification, qualification, and quantification methods.