



## PTRam Extended Range Analyzer

A472060110C

The PTRam Extended Range 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  $150\text{ cm}^{-1}$ . 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  $3350\text{ cm}^{-1}$ , 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 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 is 19" rack-mountable and operates with Vision software, with the option to connect to a 2060 Human Interface for streamlined operation.

The PTRam 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.

Below, the accessories are grouped into Scope of delivery and Optional accessories.  
Please keep this printout at hand for ordering replacement material.  
These lists may be subject to change.

Optional accessories

Order no.	Description
6.6069.412	<div><div>Vision 4.1</div><div><div>Vision is the Metrohm software solution for method development and for controlling Metrohm XDS process instruments and B&amp;W Tek instruments</div><div>The user-friendly graphics analysis interface makes it easy to apply chemometric algorithms for creating identification, qualification, and quantification methods.</div></div><div></div></div>