



2060 RISE for real-time monitoring

A Raman sensor for
constant monitoring of
your process and assets

**PUSHING
THE
LIMITS
TOGETHER**

 **Metrohm**
Process Analytics



An innovative solution for real-time monitoring

In industrial processes, the precise and timely monitoring of chemical reactions is critical to ensuring product quality, safety, and efficiency. Erroneous mixing of incoming chemicals can lead to costly mistakes, while undetected outliers can result in overprocessing. This wastes valuable resources.

Industries, ranging from pharmaceuticals to food and beverage, rely on accurate process monitoring to guarantee that reactions stay within limits and final product standards are met.

Metrohm Process Analytics presents a ground-breaking solution: the Raman Intelligent SEnsor, 2060 RISE. Designed to seamlessly integrate into your process (reactor, pipe, or tank), the 2060 RISE elevates your process analytical technology (PAT) capabilities to new heights.

Industrial applications

1 Process Monitoring: Monitor and optimize your process in real-time, such as reaction monitoring, polymer extrusion, fermentations or blending, enhancing process efficiency.

2 Raw Material Identification (RMID): Quickly and accurately identify raw materials to maintain batch integrity and quality control.

3 Quality Assurance: Ensure the highest product quality by detecting impurities and deviations early in the process, preventing costly setbacks.

4 Monitor Assets: Real-time monitoring of storage tanks prevents long-term degradation and ensures product quality.

PROACTIVE MONITORING AND EARLY DETECTION

Through continuous monitoring, 2060 RISE enables operators to go beyond simple observation to become active participants. Not only will 2060 RISE verify and confirm the substance which is unloaded, it will also monitor the entire unloading process to ensure the product consistency. 2060 RISE will also detect the end of the unloading process, minimizing truck downtime.

ADAPTABILITY AND CONTINUITY

The 2060 RISE's adaptability is what makes it so effective. Even in case of an emergency, its 16 independent sensors work together to create a strong safeguard that guarantees no vital information is compromised. The modular design of the system guarantees continuity, protecting both processes and personnel.



An Inline Raman spectroscopy sensor to elevate your process analysis

Efficient: Fast analysis for quick decision-making (5 s).

Compliance Ready: Meet the most difficult industry standards, ensuring your operations are audit-ready at all times.



User-friendly Interface: 2060 RISE software interface allows users of all levels to navigate and analyze data effortlessly. Training time is reduced, and productivity is maximized.

Real-Time Monitoring: Gain instant insights into your processes with up to 16 sampling points, eliminating the need for time-consuming sampling and analysis.

