

## Market-leading Kaiser Raman analyzers now sold by Endress+Hauser Canada

**BURLINGTON, ON** – With Endress+Hauser assuming sales responsibility in Canada for the Kaiser Raman spectrographic instrumentation portfolio from Kaiser Optical Systems, Inc. (Kaiser), the timing simply couldn't be better. The handover coincides with the introduction of the next-level, embedded Kaiser Raman Rxn analyzer suite, featuring intuitive Raman RunTime control software for 24/7 connectivity to critical data.

Kaiser, founded in 1979 and part of Endress+Hauser since 2013, is a global leader in Raman spectrographic analysis technology. Previously, Canadian customers had to work directly with Kaiser in the United States, as they did with SpectraSensors, another U.S.-based Endress+Hauser company that specializes in TDLAS and QF analyzers. Now, both companies' products are sold locally by Endress+Hauser Canada.

Researchers and manufacturers in the chemical, polymer, pharmaceutical, biopharmaceutical, oil & gas, and food & beverage industries require the highly accurate chemical composition measurements that Raman spectrographic analysis provides. Common applications include assessing material quality, monitoring molecular reactions, aiding basic science research, assuring product quality, and identifying unknowns.

What distinguishes the new embedded Raman Rxn analyzer suite from older systems is that it dispenses with the need to run proprietary software using a separate, standalone computer to convert raw measurements into usable data. Embedding the spectrometer functions into the analyzer electronics promotes productivity by offering a common, easy-to-use interface for use in the laboratory to process development and manufacturing.

The Raman Rxn portfolio, comprised of the Raman Rxn2 and Rxn4 base models, integrates analyzer and control software in a fixed-purpose device with built-in intelligence. Each collects *in situ* process measurements, enabling real-time process monitoring, optimization and control. With 24/7 automation, companies can maintain a continuous pulse on the safety, quality, and efficiency of their operations whether in laboratory or manufacturing settings.

The Raman RunTime software provides constant real-time access to process data via a user-friendly touchscreen interface or remote access. It conveys either raw or processed data and diagnostics over standard communication protocols –including OPC and Modbus – to assure data integrity and compatibility with third-party devices. It thus embodies the Industry 4.0 strategy of increased data security, system integration, and automated communication.

Kaiser Raman Rxn analyzers perform self-monitoring and self-diagnostics to ensure the validity of each measurement. Raman Rxn2 and Rxn4 analyzers also perform self-calibration and utilize spectral correction methods in applications when periodic system calibration is not required. Additionally, they provide flexible installation options including benchtop, mobile wheeled cart, rack-mounted, or stainless-steel enclosures for lab, pilot plant, or dedicated manufacturing settings, even in hazardous area environments.

Raman Rxn embedded analyzers, powered by Kaiser Raman technology, support the needs of Industry 4.0 with smart power controls, enhanced diagnostics, remote laser interlock, robust fiber connection, and automation input/output. By delivering highly accurate, real-time, *in situ* chemical composition measurements and 24/7 connectivity, the Raman Rxn embedded analyzer portfolio helps companies reach new heights in operational excellence.

### **About Endress+Hauser Canada**

Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering. Endress+Hauser provides sensors, instruments, systems and services for level, flow, pressure and temperature measurement as well as analytics and data acquisition. We work closely with the chemical, petrochemical, food & beverage, oil & gas, water & wastewater, power & energy, life science, primaries & metal, renewable energies, pulp & paper and shipbuilding industries. Endress+Hauser supports its customers in optimizing their processes in terms of reliability, safety, economic efficiency and environmental impact. The Group employs just over 14,000 personnel worldwide and generated consolidated sales of just under 2.6 billion euros in 2020.

**Press Photo** (see JPEG attached)

### **Caption:**

Kaiser Raman Rxn spectrographic analyzers from Endress+Hauser Canada now feature the embedded Kaiser Raman Rxn analyzer suite with intuitive Raman RunTime control software for 24/7 connectivity to critical data.

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