Process Insights Unveils the Lab NIR-O: A High-Precision NIR Spectroscopy Breakthrough

Process Insights Launches the GUIDED WAVE Lab NIR-O: Advanced NIR Spectroscopy for Unmatched Precision

HOUSTON, TX, UNITED STATES, April 21, 2025 /EINPresswire.com/ -- Process Insights, a global leader in industrial process monitoring solutions, is proud to announce the launch of its latest innovation: the GUIDED WAVE™ Lab NIR-O™ Benchtop Analyzer. Designed for high-precision near-infrared (NIR) spectroscopy, this cutting-edge benchtop analyzer delivers laboratory-grade accuracy for chemical, pharmaceutical, and petrochemical applications.

> We are excited to introduce the Lab NIR-O Benchtop Analyzer, bringing our proven NIR spectroscopy technology to laboratory settings”
>
> *Luca Marinelli*

The Lab NIR-O Benchtop Analyzer brings the power of fiber-optic-based NIR spectroscopy to the lab, enabling real-time, non-destructive analysis of liquids, solids, and gases. With its robust design, intuitive software, and superior spectral performance, the Lab NIR-O provides unmatched reliability for research, quality control, and process development. Go to Product Page.

Key Features & Benefits:

• High-Resolution Spectral Analysis – Delivers precise, repeatable measurements for critical process insights.

• Fully compatible with the proven Online Process NIR-O including model transfer.

• Ideal for chemical, pharmaceutical, polymer, and Petrochemical industries for grab sample testing.

• Compact & User-Friendly Design – Optimized for ease of use in laboratory environments.

• Combines the precision of laboratory spectroscopy with the ruggedness required for industrial applications.

• Eliminates the need for time-consuming wet chemistry, reducing sample prep and waste.

• Enables flexible, multi-point measurements without moving samples to a centralized lab.

• Reduces production downtime and enhances efficiency by providing immediate spectral data for process adjustments.

• Compatible with laboratory and industrial software, ensuring easy data collection and analysis.

GUIDED WAVE Lab NIR-O Benchtop Analyzer from Process Insights

“We are excited to introduce the Lab NIR-O Benchtop Analyzer, bringing our proven NIR spectroscopy technology to laboratory settings,” said Luca Marinelli, Vice President Global Sales at Process Insights. “This system empowers scientists and engineers with real-time, high-quality data to optimize processes, improve efficiency, and ensure product quality.”

The Lab NIR-O Benchtop Analyzer is designed for professionals who need fast, reliable, and cost-effective spectroscopy in a user-friendly package. It’s ideal for:

• Chemical & Petrochemical Plants – Optimizes reaction monitoring and quality assurance.
• Polymer & Coatings Industries – Provides real-time composition analysis for production efficiency.
• Research & Development Labs – Accelerates innovation with quick, accurate spectral analysis.

The GUIDED WAVE Lab NIR-O Benchtop Analyzer is now available for order. For more information, visit www.process-insights.com or contact us at info.america@process-insights.com.

About Process Insights
Process Insights is a leading provider of analytical instrumentation and solutions for industrial process monitoring and control. With a commitment to innovation and quality, Process Insights delivers technologies that enhance safety, efficiency, and compliance across various industries worldwide. https://www.process-insights.com

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