



UniMeasure Inc Highlights Advanced Motor Position Sensor Technology for Enhanced Industrial Automation Precision

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UniMeasure Inc., a leading manufacturer of position and velocity sensors based in Corvallis, Oregon, emphasizes the critical role of advanced motor position sensor technology in achieving greater precision across industrial automation applications. As manufacturing facilities increasingly demand higher accuracy and real-time feedback systems, the company's specialized sensor solutions address the growing need for precise motor control in complex industrial processes.

The integration of sophisticated motor position sensors has become essential for modern industrial operations seeking to optimize performance and maintain competitive advantages. These sensors provide real-time data on motor position, speed, and direction, enabling rapid adjustments and improved synchronization across different components in automated systems. The technology proves particularly valuable in applications requiring precise position feedback, including closed-loop process control and testing environments where oscillatory rotary motion occurs.

"The demand for precise motor control continues to grow as industrial automation becomes more sophisticated," said Zack Peterson of UniMeasure Inc. "Our motor position sensor technology enables manufacturers to achieve the level of accuracy required for today's complex industrial processes while maintaining reliability in challenging operational environments."

The UniMeasure Inc motor position sensor represents a critical component in the company's comprehensive portfolio of measurement solutions. These sensors utilize advanced rotary encoder technology to convert angular position data into digital signals, providing continuous feedback for automated control systems. The technology supports various industrial sectors, including OEM equipment manufacturing, aerospace applications, automotive production, fluid control systems, medical device manufacturing, and agricultural equipment operations.

Temperature compensation features ensure accurate readings even in fluctuating temperature environments, a common challenge in industrial settings. This capability proves essential for maintaining consistent performance across diverse operational conditions, from climate-controlled manufacturing facilities to outdoor agricultural applications. The sensors' robust design accommodates the demanding requirements of industrial automation while offering cost-effective implementation compared to alternative measurement technologies.

The evolution of motor position sensing technology reflects broader trends in industrial automation toward increased precision and data-driven decision making. Modern manufacturing processes rely on accurate position feedback to maintain quality standards, reduce waste, and optimize production efficiency. The integration of these sensors into existing automation systems provides manufacturers with enhanced control capabilities without requiring complete system overhauls.

"Accurate motor feedback forms the foundation of effective industrial automation," added Peterson. "The ability to precisely monitor and control motor operations translates directly into improved product quality, reduced downtime, and enhanced operational efficiency for our customers across various industries."

UniMeasure Inc has manufactured position and velocity sensors since 1987, establishing itself as a recognized leader in the linear and rotary transducer industry. The company specializes in linear position transducers, commonly known as string pots or cable extension transducers, along with rotary position transducers that provide analog output signals proportional to shaft rotation angles. These products serve diverse applications ranging from medical equipment and automobile manufacturing to crude oil extraction and water management systems. The company maintains its commitment to innovative design, high-quality manufacturing standards, and comprehensive customer support from its Oregon facility.

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UniMeasure Inc

UniMeasure, Inc. has been manufacturing position and velocity sensors in Corvallis, Oregon since 1987. The company has steadily grown over the years to become a leader in the linear and rotary transducer industry.

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