



## **Trafag Highlights the NAT 8252 Industrial Pressure Transmitter for High-Performance Sensing in Rugged Applications**

*Compact, Durable, and Exceptionally Versatile Delivering Reliable Pressure Monitoring Across a Wide Range of Industrial Systems*

CHARLOTTE, NC – [Trafag](#), a leading manufacturer of high-accuracy measurement devices, highlights the [NAT 8252 Industrial Pressure Transmitter](#), designed to meet the rigorous demands of industrial monitoring and control systems. With its ultra-compact design, fully welded stainless steel construction, and broad customization options, the NAT 8252 delivers a powerful combination of performance, reliability, and adaptability.

Engineered with Trafag's robust thin-film-on-steel sensing technology, the NAT 8252 ensures stable and precise pressure measurement over time, even in harsh environments. Its excellent long-term stability reduces the need for recalibration, lowering operational costs and maintenance burdens. A wide measuring range, from 0 to 700 bar (0 to 10,000 psi), allows it to serve a full spectrum of pressure monitoring applications, from low-pressure process control to high-pressure hydraulic systems.

Designed for extreme conditions, the NAT 8252 offers a completely welded sensor system free from internal seals, providing excellent media compatibility and leak resistance. It is available with triple or optional five-fold overpressure protection, safeguarding both sensor integrity and system reliability during pressure spikes.

For space-constrained installations, the NAT 8252's minimal footprint enables seamless integration into compact equipment or control panels. Multiple electrical and pressure connection options make it easy to adapt the transmitter to existing systems. Compatibility is further enhanced by a variety of output signals, along with an optional one- or two-channel PNP switching output for integrated control and monitoring which adds flexibility to system design.

Rated for use in demanding environments, the NAT 8252 features IP65, IP67, or IP68 ingress protection and withstands temperatures from  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ . Its rapid 1 ms response time ensures real-time accuracy in dynamic processes, while built-in EMC and reverse polarity protection enhance operational safety and installation resilience. The transmitter also boasts a high accuracy of  $\pm 0.5\%$  FS typ. at  $25^{\circ}\text{C}$ , ensuring precise pressure measurement, critical for process control and safety.

Offering Trafag's most extensive customization options, the NAT 8252 is the "go-to" solution for durable, compact, and high-performance pressure sensing technology that adapts to virtually any application.

### **About Trafag Inc.**

Trafag, a Swiss-based global leader in sensor and monitoring technology, specializes in delivering high-precision solutions for pressure, temperature, and SF6 gas density measurement. With over 80 years of engineering expertise and a presence in more than 40 countries, the

company designs and manufactures advanced sensors and monitoring devices for critical industrial applications, including shipbuilding, hydraulics, railway systems, and high-voltage electrical infrastructure. The company's extensive product portfolio serves OEM customers and industries requiring exceptional performance in challenging environments, underscoring Trafag's reputation for quality, reliability, and technical excellence.

For more information about the NAT 8252 and its applications, please visit:  
<https://www.trafag.com/en/nat-8252-industrial-pressure-transmitter/>.