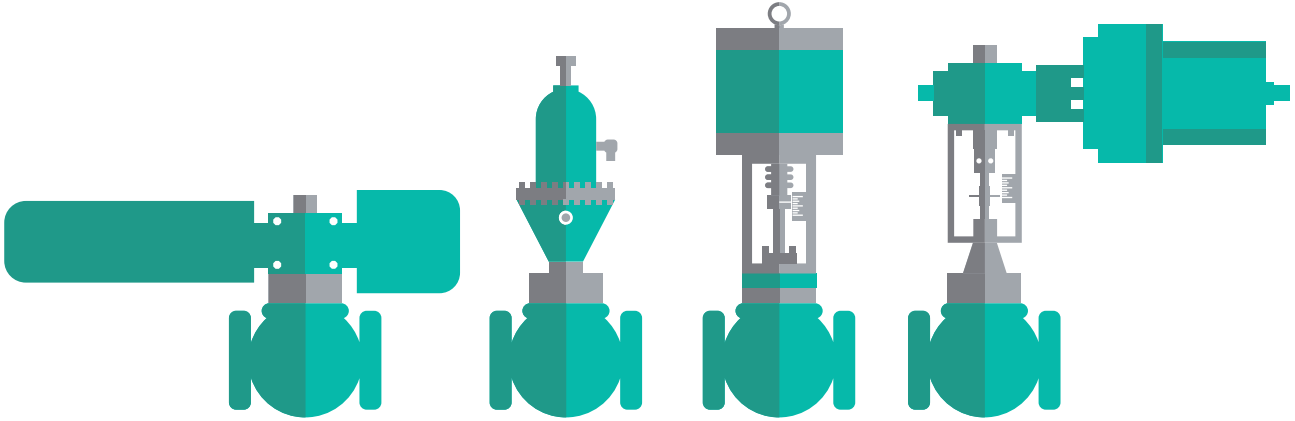


SENSORS FOR INDUSTRIAL VALVES & ACTUATORS

Precise & Maintenance Free



Accurate monitoring of water facilities has always been very important. Absolute encoders can play a critical role in the performance and reliability these facilities. They can provide accurate and precise measurements of the rotational position of valve stems and actuator shafts, allowing for more precise control over the opening and closing of valves and movement of actuators. The robust and accurate encoders of POSITAL can help prevent costly downtime and improve the safety and efficiency of industrial processes that rely on valves and actuators. POSITAL encoders are based on magnetic technology, which is more cost efficient, robust and requires less maintenance since it's using no gears and no batteries.

Rotary Encoders



- > 20+ Electrical Interfaces
- > Batteryless Multiturn
- > Ex Proof Housing Available
- > Up to IP69K
- > Variety of Flanges & Shafts

Multiturn Module



- > No Battery - No Gear
- > Multiturn Range up to 40 Bit
- > SPI Interface
- > Cost Efficient
- > Extremely Compact

On Axis Kit Encoder



- > Compact 36 mm Diameter
- > No Battery - No Gear
- > Robust & Easy To Install
- > BiSS-C, BiSS Line, SSI
- > 40 to 105 °C

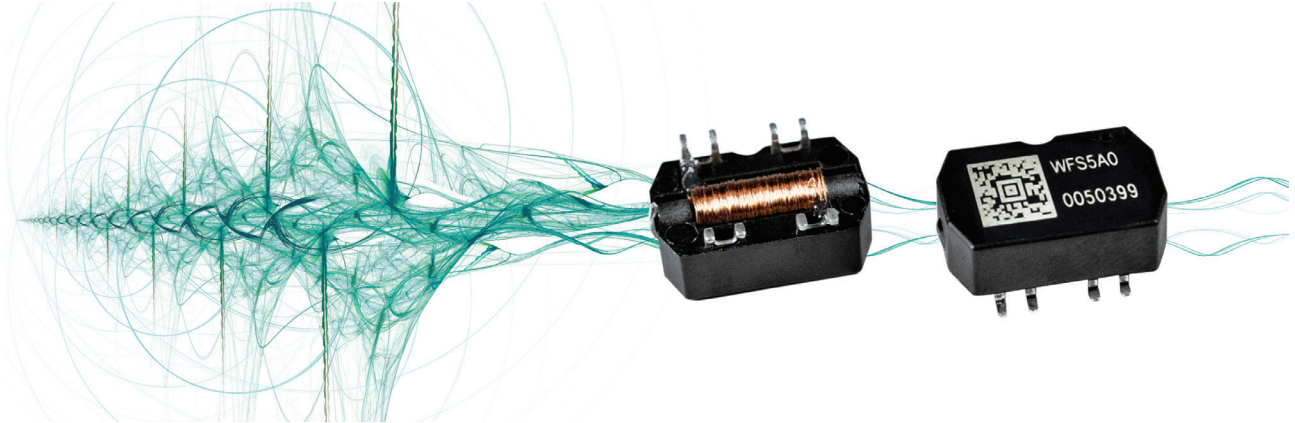
Self-Powered Wiegand Sensors



- > Own Core Technology
- > Consistent Energy (Low-Freq)
- > High Signal Noise Ratio
- > High Triggering Frequency
- > No Reduction in Energy

SENSORS FOR INDUSTRIAL VALVES & ACTUATORS

Batteryless Multiturn Measurement



POSITAL's Wiegand energy harvesting system is at the core of all POSITAL multiturn encoders. It eliminates the need for backup batteries and gears. At any rotational speed, even the slowest, the Wiegand system generates powerful voltage pulses with each complete revolution. These pulses supply enough power to the electronics, even when the external power supply is unavailable. This is a very valuable feature for the industry of valves and actuators since power shutdowns often occur during maintenance.

Why POSITAL

- Absolute Multiturn Measurement
- No Battery, No Maintenance
- Self-Powered Sensing
- Robust & Durable Designs
- Large Product Portfolio – Mass Customization
- Leaders in Innovation Technology
- Over 60 Years' Experience
- 36 Month Warranty

POSITAL is a manufacturer of position and motion sensors which are used in a wide range of settings, from manufacturing to mining, from motors and drives to IoT devices. POSITAL has a global reach with subsidiaries in Europe, North America and Asia – and a growing network of sales and distribution partners around the world. All products are manufactured in advanced production facilities in Poland and Malaysia. The computer-guided, semi-automated production system tracks each device from order, through assembly and testing, to final delivery.

POSITAL is a member of the international FRABA Group which dates back to 1918. In 1973, FRABA introduced one of the first non-contact, absolute multiturn encoders. Since then, the company has played a trend-setting role in the development of rotary encoders and other sensor products.

Join Our Network!



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