

## DYMEO®



### **A tailor-made absolute rotary sensor**

Dymeo® is an innovative absolute rotary sensor. It allows to control rotary motions very accurately or to measure instantaneous speeds.

Its inductive technology, based on eddy currents, guarantees insensitivity to low-frequency stray magnetic fields.

Thanks to an optimized design that takes into account the sensor's environment, Dymeo® can be integrated into each application and customer system.

The robustness of the Dymeo® sensor makes it suitable for all kinds of applications even in demanding markets such as aerospace, automotive, defence, railway, medical...

## **TECHNICAL FEATURES**

- Contactless inductive technology
- Absolute sensor: „True-power-on“
- Measuring range from 0 to 360°
- Resolution up to 24 bits
- Mechanical angular position accuracy :  $\pm 0.02^\circ$
- Latency  $<5 \mu\text{s}$
- Refresh rate up to 100 kHz
- Rotation speed up to 100 000 rpm
- Insensitive to low frequency interference fields  $<150 \text{ kHz}$
- Power consumption  $< 0.8 \text{ Watt}$  (30 mA/24 VDC)
- Temperature range from  $-40$  to  $+150^\circ\text{C}$

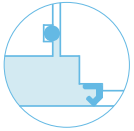
## **BENEFITS**

- Compactness
- Reliability

## **MARKET AND EXPERTISE**



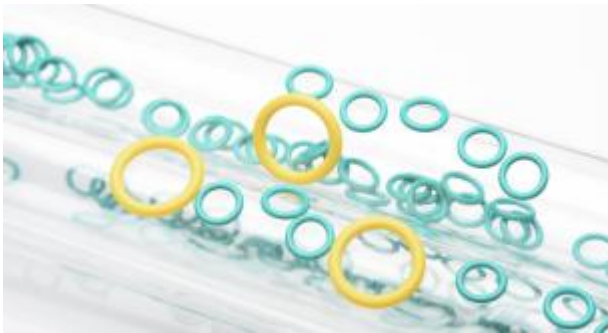
INDUSTRY



Precision Sealing Systems

## **ALL PRODUCTS FAMILIES**

# **All Products Families for Industry Precision Sealing Systems**



## **O-RINGS**

Our O-Rings ensure perfect static and dynamic seals between two parts assembled radially (shafts) or axially (covers). They can withstand the most extreme temperatures and fit in the smallest spaces.



## Shaft Seals

They ensure the perfect sealing on rotating, or translating shafts under a large range of temperature. Our Dynamic Seals maintain lubricants in engines and transmissions while avoiding any foreign particles or fluid pollution.



## Magnet rings

Thanks to the magnet pattern printed in an elastomeric or plastic compound, our Encoders can accurately provide position, direction and speed of a rotating shaft. You find it operating in engines, transmissions and ABS systems.



## Precision Static Seals

Braking, fuel, oil, air, water systems are operational if they do not leak. Their reliability results from our Precision Static Seals, made of approved materials, tailor made designs and mastered processes.

Page