

IO-LINK ENCODERS



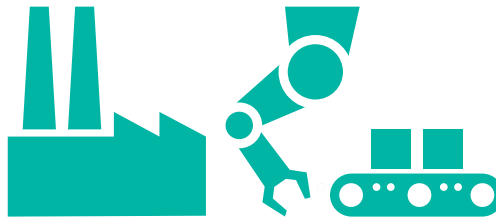
Smart Rotary Encoders Ready for Industry 4.0

POSITAL is expanding its range of absolute rotary encoders to include the popular IO-Link communications interface.

Advantages

- **Simple Wiring – Reduced Costs**
- **Independent from Fieldbus or Ethernet**
- **Electronic Device Identification**
- **Changes on Parameters Possible During Operation**
- **Automatic Parameterization after Device Replacement**
- **Status and Diagnostic Data**

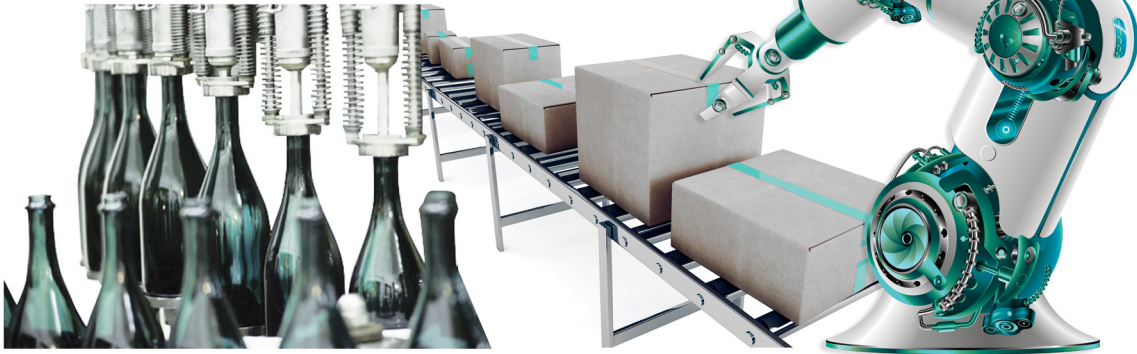
POSITAL IXARC encoders are well suited to IO-Link implementations since they are compact, easy to install, and robust enough to stand up to the harshest industrial conditions. Customers can choose the housing materials, level of environmental protection, shaft type and diameter, mounting flange and connector type that are appropriate and cost-effective for each installation. These encoders are available in single- and multiturn versions. For multiturn models, the rotation counter, based on Wiegand Sensor Technology, is powered by energy which is harvested from the rotation of the device's shaft, eliminating the need for backup batteries and reducing maintenance costs.



POSITAL

FRABA

IO-LINK ENCODERS



Singleturn IO-Link + Incremental Encoder

- > Accuracy 0.0878°
- > Resolution up to 14 Bit
- > Transmission Mode COM 2
- > Additional Incremental Mode Programmable via IO-Link
 - PPR (Max. 16384)
 - TTL / HTL
 - Direction

Absolute Multiturn IO-Link Encoder

- > Accuracy 0.0878°
- > Resolution up to 16 Bit
- > Revolution 31 Bit
- > Transmission Mode COM 3
- > Output
 - Position
 - Velocity
- > 5 Electronic Cam Switch Channels
- > Hardware I/O-Pin Can be Configured as Preset, Reset or Cam Switch
- > Vibration and Temperature Sensor Allowing Condition Monitoring

Applications

Condition monitoring is essential for predictive maintenance – one of the key features of Industry 4.0. Predictive maintenance improves efficiency by replacing devices before they fail or wear out resulting in less down-time and optimized maintenance cycles generating high cost-savings.

- > Factory Automation
- > Process Automation
- > Packaging Machinery
- > Production Machinery

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