Digitalization

Digitization starts with the sensor

Simply use valuable additional data via IO-Link.







บริษัท โปรพลัส คอร์ปอเรชั่น จำกัด

22/354 หมู่ 4 ตำบลบึง อำเภอศรีราชา จังหวัดชลบุรี 20230

1obile : 099-6103519 | 099-7358459

el : 033-130209

-mail : Sales@propluscor

/eb : www.Propluscorp.co.t



f /propluscorp

f /abbjokabthailanddistributor/propluscorp



Your benefit of digitized sensor connection



More information and more effective processes with digital sensor data

Baumer sensors precisely record many different measured values. Valuable additional information is already generated during the processing of the measured values in the sensor. Standardized digital communication interfaces such as IO-Link can be used to access that information and significantly optimize your processes.

Easy integration and maximum flexibility with IO-Link



IO-Link is an IO technology standardized worldwide according to IEC 61131-9. It permits manufacturer-independent digital, bidirectional point-to-point communication. For this purpose, sensors are connected to the IO-Link master via standardized 3-wire plug-in cables. IO-Link is available for various sensor technologies and can also be integrated into small miniature sensors.

With the IO-Link master, which bundles several sensors, the connection to the controller is made via the respective fieldbus system. In addition, an Ethernet-based connection (with OPC UA) from the master allows direct communication from the sensor to IT systems. . The maximum cable length between sensor and master is 20 m. However, significantly longer connections from the sensor to the controller can be realized by connecting a field master to a field bus system. This gives them maximum flexibility in the connection solution.

Additional data through digital sensor connection

Data is the most important basis for process and product optimization. With the help of IO-Link, valuable additional data can be made accessible:

control in the automation system. These can also be transferred and, if required, diagnostic and identification data to be read to other IT systems via IO-Link. out. O IO-Link Process data **Diagnostic data** Identification Configuration Signal quality, sensor tempera-Measured distances, switching Data for sensor identification, such Data for sensor parameter adjuststates or counters can be digitally ture, and usage information are as sensor type, serial number, dement can be stored and quickly processed and evaluated recorded vice parameters with value range replicated and default value Cyclic data Acyclic data Acyclic data Acyclic data

Cyclic data transmitted in real time. They are used for process

Acyclic data enable sensors (IO devices) to be parameterised

Using digital communication interfaces across technologies – Baumer offers a wide range of sensors with IO-Link

Object detection and distance measurement



Inductive sensors

Inductive sensors with the sizes from ø 6.5 mm up to M30 and cubic miniature design for object detection and micrometer-precise measurement of distances.



Ultrasonic sensors Ultrasonic U300 miniature sensors and U500/UR18 – robust and economical sensors independent of the color, shape and transparency of an object.



Light barriers and light sensors

O200, O300 / O500 and Series 14 light barriers and diffuse sensors in plastic and stainless steel housing – the standard with extra power for your application.



Optical distance sensors Measuring distance, displacement and positions with output of distance values and switching signals towards most different surfaces and increased process transparency by secondary data.



Radar sensors Reliable measurements in the most extreme environments.



Label sensors Photoelectric and ultrasonic label sensors for a reliable detection of a wide variety of labels and carrier materials.

Process sensors



Flow sensors FlexFlow PF20H / PF20S sensors for efficient monitoring of flow velocity and media temperature.



Level switches Level switches LBFI / LBFH and PL20 – simple and universal level detection for all media.

IO-Link Master



IO-Link Master IO-Link masters are available for USB, field, control cabinet or wireless.



Pressure sensors Pressure sensor PP20H and PBMx – durable, precise and optimally adapted for every application.



Conductivity sensors CombiLyz® AFI – precise analysis and exact differentiation of fluid media.

Rotary encoder



Rotary encoder Bearingless incremental encoder EB200E – cost-efficient connection and parameterization flexibility in speed monitoring.



Baumer Sensor Suite

With the Baumer Sensor Suite, IO-Link sensors of all manufacturers can be evaluated, selected and parameterized faster and more intuitively. It is the leading engineering tool for the visualization of sensor data and supports with helpful functions for commissioning, service and analysis.





บริษัท โปรพลัส คอร์ปอเรชั่น จำกัด

22/354 หมู่ 4 ตำบลบึง อำเภอศรีราชา จังหวัดชลบุรี 20230

lobile : 099-6103519 | 099-7358459

el : 033-130209

Nob : MAMA Propluscorp.co

eb : www.Propluscorp.co.th



/propluscorp

/abbjokabthailanddistributor
/propluscorp