

Subject: Electronic pressure switch with IO-Link

Field of application: Machine and plant engineering and process technology

Pressure switch for the Industry 4.0 world

To be able to continue covering the different applications for the pressure monitoring of media such as air, oil emulsions, water, etc., Layher AG from Kirchberg has had several versions of pressure sensor type 930 for the measurement ranges 0-10 bar, 0-100 bar and 0-250 bar and a temperature range of 0 to + 70 °C in its portfolio for some time. Based on the constructive and functional properties of this sensor type, version type 934 has now been presented that offers an interface for the implementation of the requirements from Industry 4.0 with the international communication standard IO-Link. This made it possible for the development engineers from the Swabian company to ensure a simpler and faster start-up, e.g. using offline parametrisation of the sensors before installation or online automatic sensor detection using the IO-Link app on the AS-i/Fieldbus-Gateway. With this pressure sensor version, the Kirchberg-based company also gives its customers a solution to increase the availability of their machines and plants. For example, operating errors during operation due to switching off operating keys at the sensor are prevented. The measured values are transferred without conversion losses. The values on the sensor display correspond with the values on the machine display. And the machine diagnostics up to the sensor level operate without interruption of ongoing operation. As sensors and actuators, analogue or binary, can be connected via IO-Link ports, various input/output modules can be replaced and so installation costs can be saved. The acceptance of this communication standard by all leading companies in the automation sector in turn offers long-term investment security for suppliers and users.

www.layher-ag.de

Fig:
The new pressure sensor with IO-Link from Layher is based on type 930



For more information please contact:

LAYHER AG, Kalkwerkstr 23, 71737 Kirchberg, Germany

Frank Gerull

Telefon: +49 (0) 7144 3204, Telefax: +49 (0) 7144 34307, frank.gerull@layher-ag.de, www.layher-ag.de