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Keeping pace with the times – Electronic pressure switches DS 300 with IO-Link

With the DS3XX range, BD|SENSORS launches a family of electronic pressure switches on the market which, besides the integrated IO-Link technology, also offer the usual flexibility of BD|SENSORS products.

IO-Link is growing in popularity and is an cost-effective way of integrating a digital interface into the sensor technology / actuator technology. In contrast to Profibus, etc., this is not a bus system but rather a point-to-point connection which enables devices to be parameterised and process data to be retrieved. The electrical connection is based on the 3-wire principle, which means for example that no special cables are required, thus permitting retrofitting of conventional circuit technology.

To integrate the DS 300 into the control level, an IODD file is required. In addition to information about the manufacturer and device, this XML-based file also contains the functional scope of the device. Process data, diagnostic messages and status reports (service data) of the DS 300 are retrieved and processed.

BD|SENSORS will start with two products of this device family: the DS 300, which is available with different inch, metric or NPT threads up to a pressure range of 600 bar and covers traditional machine tool building, and the DS 300 P, which has flush-welded process connections (inch, clamp, dairy pipe, etc.) and is designed for a use in food and pharmaceutical sectors.

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With the electrical output signals, it is possible to choose between 2 contacts or 1 contact and 1 analogue output (4...20mA / 0...10V), which makes it possible to expand classical control situations with IO-Link. The clear LED display and the VDMA-compliant menu structure make it easier for the user to operate the DS 300 / DS 300P.

The DS3XX series with IO-Link technology provides the customers enormous benefits:

- ➔ lower installation costs
- ➔ short implementing
- ➔ higher operational reliability
- ➔ reduced machine downtime in the event of a fault

IO-Link products have already become established in a large number of industrial applications such as in machine tools, for controlling food or pharmaceutical processes, etc. and they will continue to acquire further applications in the future.

You can obtain detailed information at

www.bdsensors.com



DS 300