

Electronic Pressure Switch Hygienic



PBS-H

Features:

- Wetted parts are made from stainless steel 1.4435
- Individually programmable switching outputs and analog output
- Pressure values are indicated on the display
- Unit of pressure value in the display can be switched
- Output states are indicated separately via large LEDs
- IO-Link



Description:

The electronic pressure switch PBS Hygienic has been designed for use in the food and beverage industry. The wetted parts are gap-free and have no dead spaces. Their high-quality stainless steel surfaces are smooth and easy to clean. The highly resistant stainless steel membrane is welded to the hygienic process connection without gaps or edges.

The device is designed for CIP and SIP processes. This enables safe hygienic operation in conjunction with optimized system throughput.

The PBS Hygienic is available with up to two switching outputs, an analog output and IO-Link in a single device. Its intuitive configuration via three large pushbuttons and display facilitates operation. The housing can be rotated in two ways, allowing the display and electrical connection to be aligned according to specific installation situation. Available with a variety of measuring ranges and process connections, the PBS Hygienic is suitable for universal use.

Applications:

- Hygienic pressure measurement and monitoring in the food and beverage industry
- Bottle filling machines
- Packaging machines
- Hydrostatic level measurement of liquids in tall tanks

Technical Data Overview

Device type	Pressure switch
Measuring ranges Gauge pressure Absolute pressure Compound pressure	0 bar... 1 bar up to bar... 25 bar 0 bar... 1 bar up to 0 bar... 25 bar -1 bar... 0 bar up to -1 bar... +24 bar
Pressure unit	Bar, MPa, psi and kg/cm ²
Accuracy	≤ ± 1 % of the span
Setting accuracy of switching outputs	≤ ± 0.5 % of span
Output signal	Switching outputs PNP or NPN, analog output signal plus optional IO-Link
Electrical connection	Round connector M12 x 1

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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