



ABB MEASUREMENT & ANALYTICS

PGF100, PAF100 **pressure transmitter**

The essential solution
for food & beverage



PxF100 Pressure Transmitter



PxF100 is the new pressure transmitter from ABB, designed to fit the food and beverage market, from primary processing lines up to installations on packing machines.

Its compact stainless steel housing grants robustness, resistance to humidity and vibration, while incorporating a new high visibility display with backlight option. The new touch HMI is enhanced by the Easy Set Up feature, a firmware option to easily configure device parameters from the display itself.

Gauge and Absolute measurement types are available with a range of sensors to expand measuring capability from 3 mbar (1,2 inH₂O) up to 100 bar (1450 psi). While leveraging the 20:1 turndown capacity of the device, no compromises are necessary on accuracy, extendable up to a 0,075% level.

PxF100 is available with different process materials, from the industry-standard, stainless steel model, to the nickel-alloy model.

ABB's unique Diaflex technology is beneficial anytime a process involves higher levels of mechanical resistance to abrasion.

Benefits



Safety and performance

PxF100 ensures process and media safety through 3A, EHEDG, FDA and EC 1935/2004 device compliance.

Additionally, PxF100 grants peace of mind during maintenance, due to the stainless steel housing and device resistance to high temperatures (up to 180°C) during Clean-In-Process and Sanitization-in-Process phases.



Designed on needs

The right feature package to satisfy food & beverage application requirements:

- Back-lit touch display for low visibility environments
- Diaflex coating against abrasion
- Sturdy stainless steel housing against vibration, humidity and condensation
- Available with analog, HART and I/O Link communication protocols



Fast and flexible

A product that can be delivered “next-day” through the ABB network of authorized channel partners, due to local capillary distribution.

A solution to deliver competitiveness on warehouse and ownership costs, due to the universal connection and the compatible hygienic adapters.

Process fit

A key element in the food and beverage market is the hygienic connection that each device has when in contact with processed food. ABB PxF100 has been developed considering a wide choice of sanitary process connections, including (but not limited to) the following geometries:

- Tri-clamps (from 1" to 4" size)- Dairy connections according to DIN 11851- Dairy connections according to DIN 11864- DRD 65mm

PxF100 connections are approved under 3A and/or EHEDG, while the filling fluids of the transmitter are FDA compliant.

ABB PxF100 also offers a 1" process connection defined as universal. When combined with the hygienic adapters and a stainless steel diaphragm, it can replace the above mentioned standard F&B geometries with a 3A and EHEDG approval as well.



Another step in the digital world



ABB's mission is to be the digital partner customers are looking for, and Pxx100 series was designed to incorporate digital features while keeping the simplicity of a device which efficiently delivers core specifications.

PxF100 features QR codes to increase efficiency and productivity of customers by reducing the time needed to react to field occurrences.

Documentation QR code

Highly visible on each product label, a printed QR code leads users to the ABB.com webpage where technical data sheets and manuals can be found. No more wasted minutes are spent going back to a PC station or to find a paper copy.

Diagnostic QR code

The available option "Digital Access Diagnostics" allows the retrieval of information about the device conditions in combination with valuable data such as detailed error description, potential causes and suggested actions. Reaction speed is improved by local autonomous intervention and acknowledgment of ABB service and support follow up.



Contacts

ABB Measurement & Analytics

For your local ABB contact, visit:

abb.com/contacts

For more product information, visit:

abb.com/pressure

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