**Safety for Industrial Processes**

# ProcessX Series

## Pressure transmitter

## Characteristics*

- Gauge, absolute, differential and level transmitter

- Static pressure limit up to 1035 bar

- Rangeability from 16:1 to 100:1

- Accuracy up to ±0.04% of C.S.

- Output signal : 4...20mA DC
  with superimposed HART® digital signal

- Explosion-proof & intrinsically Safe models

- Programmable with HART® and/or Georgin protocols

- SIL2 certified for safety requirement

- Long term stability : ±0.1% of max. span/10 years

*according to versions and models*

**www.georgin.com**

# ProcessX Family

## ProcessX Series
## Pressure transmitter

## 2 versions, 6 models

- **FKP** (Gauge pressure) and **FKH** (Absolute pressure) are dedicated for **direct mounting** on process. 0.1 to 0.2% accuracy and 16:1 rangeability are standard features. Process wetted parts material is 316L Stainless Steel.

- Versions with **flange process connections** can be fitted directly to a 3 or 5 valves manifold :
  **FKG** : Gauge pressure
  **FKA** : Absolute pressure
  **FKC** : Differential pressure
  **FKE** : Level

Main specifications are an accuracy up to **+/-0.04%** and a **100:1** rangeability. Process-wetted parts material are available in 316L Stainless Steel, Hastelloy-C, Monel, Tantalum, ...).
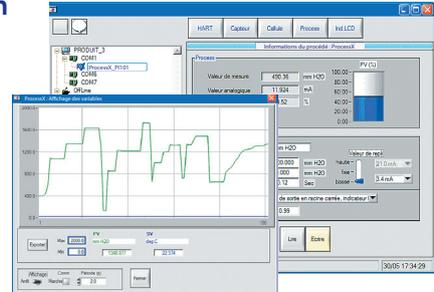
Models are available in ATEX explosion proof or/and intrinsically safe versions.

## General characteristics

- **Maximum span**
  - 500 bar gauge pressure
  - 100 bar absolute pressure
  - 200 bar differential pressure
  - 300 mWC (level)

- **Output signal**
  4...20mA and Georgin/HART® protocols

- **Power supply**
  10.5 to 45VDC
  10.5 to 32 VDC for Ex models

- **Communication**
  Hart® /Georgin protocols

- **Environmental protection**
  IEC IP67 and NEMA 4X

- **Burnout current**
  programmable according to NAMUR 43

- **Maintenance functions**
  - Back to factory calibration
  - Password locking

- **Options**
  Indicator, Stainless Steel housing, arrester, NACE requirement, chlorine service, oxygen service, side vent, ...

## Configuration

Transmitters can be configured using Hart® communication based software **"Hart Explorer"** connected to your computer. Configuration of all parameters is possible and the settings can also be saved for future reference. Possibility to measure and record process values.

The interface between the PC and the transmitter is performed by a mini modem USB/Hart® to guarantee the communication between the PC and the 4 to 20 mA loop of the transmitter.

The **Georgin Hand Held Communicator** is a very useful configuration tool.

As a menu driven device the HHC can be used to remotely display and configure transmitter parameters : Zero, Span, Burnout, Output signal, Auto diagnostic, Type of output signal (linear or √), Damping, Current generation, Tag, Model number, ...

**A digital configurable indicator** can be used to show the output signal in engineering units, as a percentage or as a current in mA.

## Special applications

Differential pressure or level measurement for special applications, wetted parts are gold plated, gasket face with spigot.

Pressure measurement for sanitary, pharmaceutical …, remote seal without dead volume

Gauge pressure transmitter with 1" - 150lbs diaphragm seal, all wetted parts in Tantalum (for high corrosive process)

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AFAQ
ISO 9001
VERSION 2008
QUAL/1994/2320d