PG electronic manometer

The new generation!

Product description

PG electronic manometer

Modern classic:

The PG electronic manometer combines clear, classic data communication on site with the growing need for central data evaluation at the IT level.

The LED display, modelled on the analogue measuring display, leaves nothing to be desired. Thanks to the IO-Link interface, you can conveniently define good and bad ranges without having to use permanent markers on the PG. The display of a minimum-maximum range plus mean value provides clarity in the event of rapid pressure fluctuations. You can easily rotate the display to an upright position so you can read the data on site, even on sloping or vertical pipes, without straining your neck.

What we don't want to leave unmentioned:
Our proven ceramic measuring cell can withstand temperatures of up to 150 degrees Celsius and, thanks to its durability, has a good chance of becoming a classic in its own right..

More information about the new PG can be found online at **ifm.com/cnt/pg1**

Product benefits

Good reasons for the PG

Analogue meets digital

Visualisation of a manometer combined with the strengths of an electronic pressure sensor.

LED visualisation

Smart display thanks to the option of customising the colours of operating ranges, thresholds and trend displays.

Ceramic measuring cell with diagnostic function

Resistant ceramic measuring cell with integrated condition monitoring.

Resisting and compensating temperatures

Permanently temperature resistant up to 150°C. Compensation of dynamic temperature changes.*

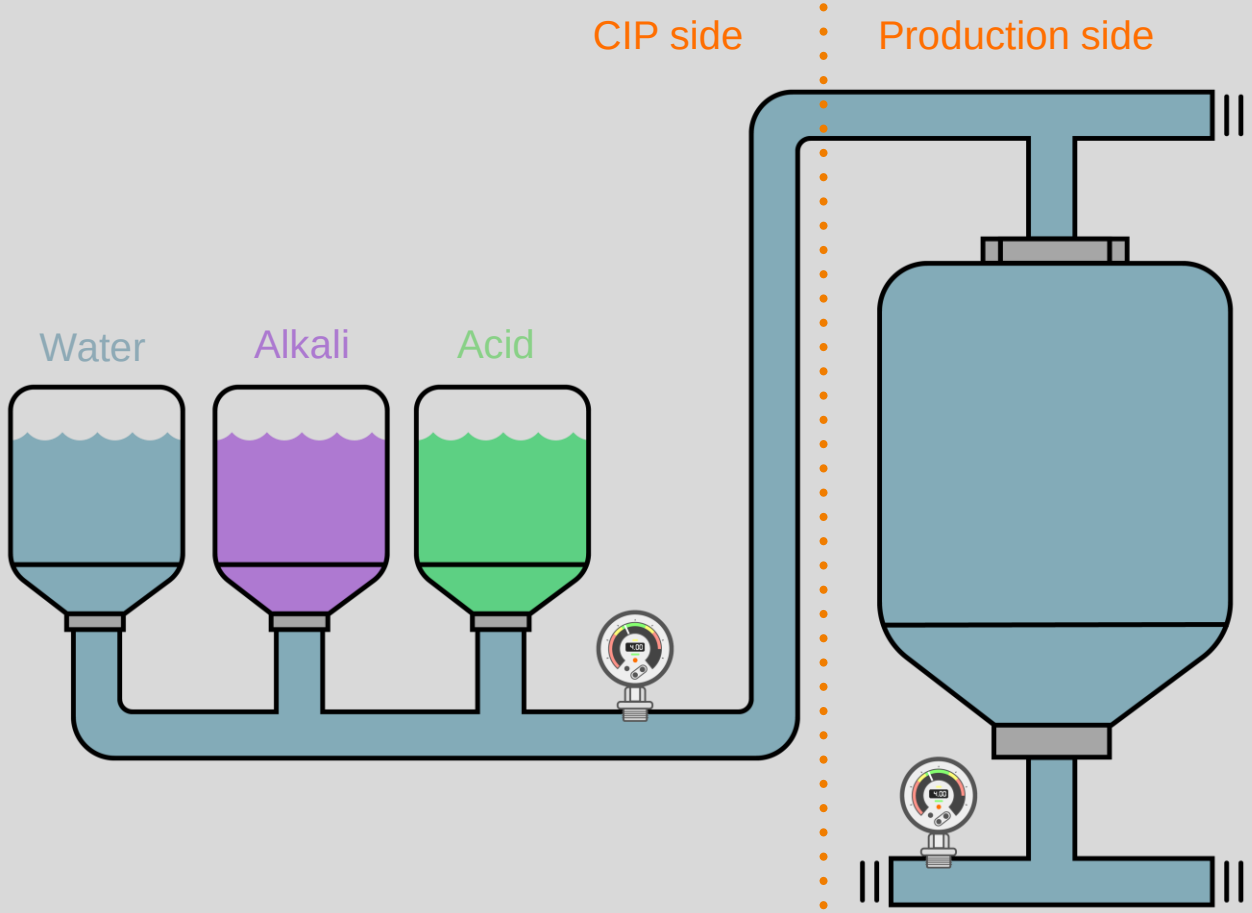
Application overview

Cleaning in Place

Practical example of cleaning processes

In hygienic applications, cleaning cycles play an important role in creating a clean production environment and a high-quality product.

- The PG reliably measures the pressure in the lines to ensure successful cleaning.
- Up to five colour/operating ranges can be stored via the LED ring. For example, the device can visually differentiate between process, CIP and rinsing processes via IO-Link.
- Permanently temperature resistant up to 150°. Temperature changes during the cleaning process are compensated.
- The measuring cell remains unaffected by aggressive cleaning agents.



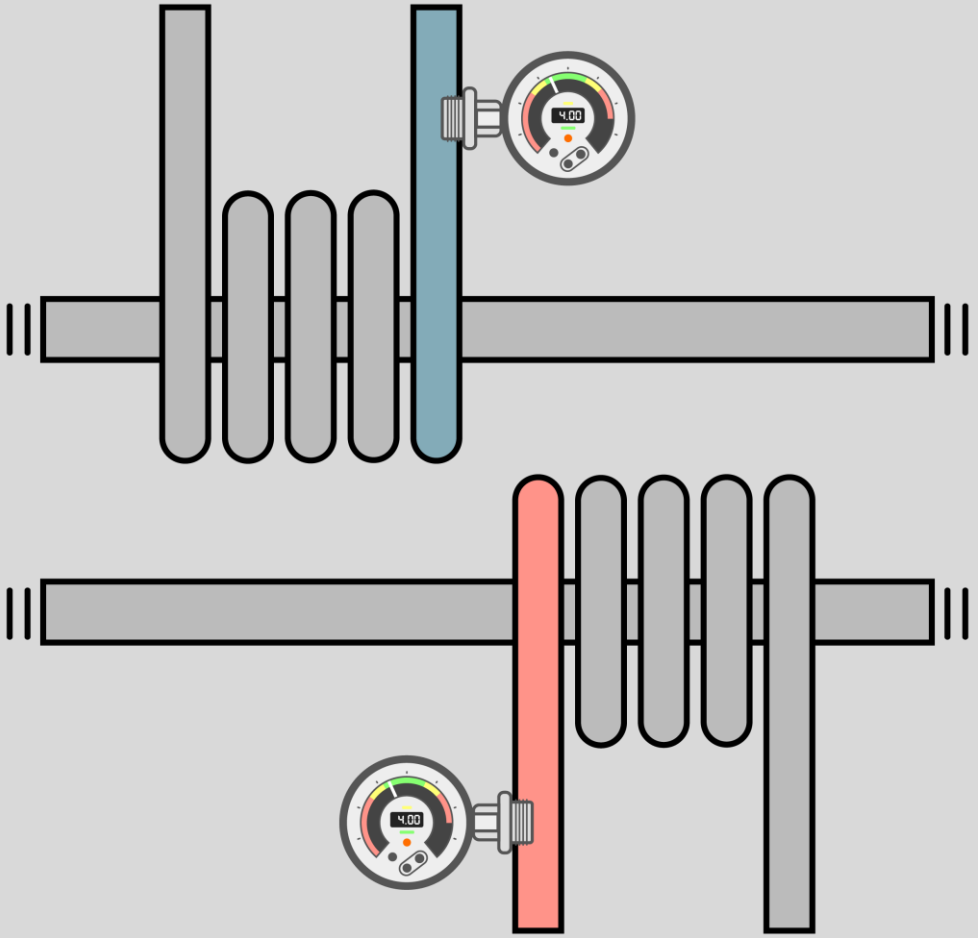
Application overview

Heat exchanger

Practical example of a heat exchanger

Pressure sensors monitor the operating pressure to ensure the efficiency of heat transfer in the heat exchanger.

- With the various sensor variants, we offer a solution for the food industry and industry in general.
- The LED ring provides an immediate visual indication of whether the processes are running as required.
- The good/bad ranges of the LED ring can be adapted to the application via IO-Link.
- The pressure value is transmitted digitally via IO-Link without conversion losses.



Good to know

The special features of the ceramic measuring cell

Extremely robust

Resistant to pressure peaks and overload as well as aggressive and abrasive media.

Dry measuring cell

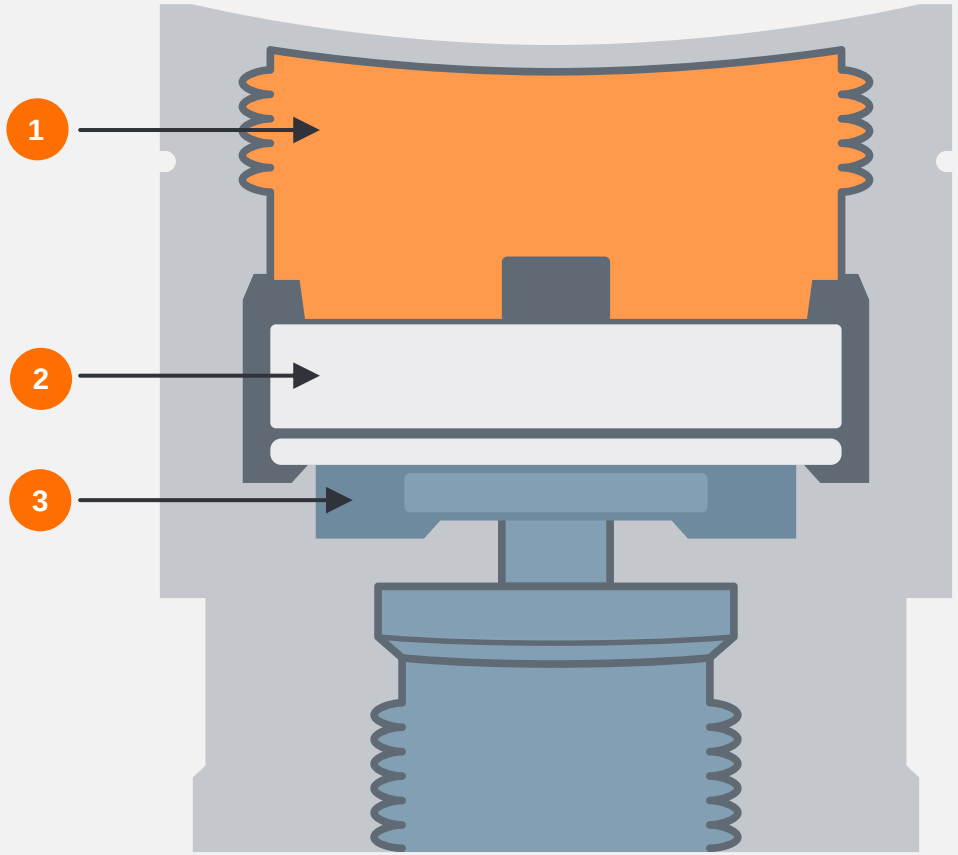
The measuring cell works without filling liquid, which prevents contamination of the medium.

Diagnostic function

The status of the measuring cell is constantly monitored, which has a positive effect on process reliability.

High long-term stability

Ceramic does not age or fatigue.



1 Measuring cell fixation
2 Measuring cell
3 Cell sealing

* Schematic structure of the ceramic measuring cell

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