

# SITRANS P pressure transmitters – The best in pressure measurement



# sitrans

**SIEMENS**



## The SITRANS P family – The right choice every time

No two processes are alike. No two infrastructures are alike. No two ambient conditions are alike. So why should one SITRANS P be like the next? We offer you a complete family of transmitters with different performance levels, with different pressure ranges, and a broad choice of materials – devices for the various applications in your processes. From “high performance” to “basic”.

The SITRANS P pressure transmitter stands for measuring accuracy, durability and especially for technically advanced user-friendliness. But being technically advanced also comes with its responsibilities. That’s why we developed a new device version which also offers you robust, self-diagnostics – plant monitoring and self-monitoring, error diagnostics for higher-than-critical measurements, signaling when calibration is due and many more “monitoring functions”.

For example, the SITRANS P DS III features self-test functions and meets all the demands for fail-safe operation. The transmitter is suitable for use in SIL\*) 2 measurement loops according to IEC 61508/IEC 61511. The SITRANS P DS III is an effective means to prevent errors. This functionality comes at no extra charge since it is a basic feature of the standard version of SITRANS P DS III.

The SITRANS P family features a product for any application – uniform measuring cells and housings including configuration with SIMATIC PDM!

\*) SIL = Safety Integrity Level



### The facts at a glance:

#### ■ SITRANS P DS III

Digital pressure transmitter with HART or PROFIBUS PA communications featuring push-button configuration, diagnostic functions and high accuracy.

#### ■ SITRANS P300

The digital transmitter with HART or PROFIBUS PA communication and stainless steel housing. For the special requirements in the food, pharmaceuticals and biotechnology industry.

#### ■ SITRANS P Compact

Analog pressure transmitter series for the special requirements of the food-and-beverage, pharmaceuticals and biotechnology industries.

#### ■ SITRANS P ZD

Digital pressure transmitter with a stainless steel housing and display.

#### ■ SITRANS P Z

Single-range transmitter with ceramic and stainless steel cells.

#### ■ SITRANS P MPS

Pressure transmitter for convenient hydrostatic level measurement.