

## SITRANS P DS III

The SITRANS P Series DSIII is a precision digital transmitter for pressure, absolute pressure, differential pressure, flow and level and has extensive diagnostics and simulation functions. The standard unit already delivers excellent, TÜV-approved reliability through its evaluation abilities. Settings can be made on-site with an LCD display, through the HART protocol or Profibus PA, Profile 3.0.

The basic features are:

- Extensive diagnostics and simulation functions
- Accuracy  $\leq 0,075\%$
- Long-Term Stability  $\leq 0,25\%$  / 60 months
- Wetted parts in stainless steel 1.4571, Hastelloy, Monel, Tantal, Gold
- Measuring range 1mbar to 400bar
- Wide range of certification and approval e.g. ATEX EEx ia, EEx ib, Dust protection, FM, CSA



Settings can be made on-site with an LCD display, through the HART protocol or Profibus PA, Profile 3.0.

### Technical facts:

Pressure levels	Gage, absolute, differential pressure
Applications	Process pressure, fill level, differential pressure, flowrate
Measuring range	0.4 in H <sub>2</sub> O to 5800 psi 1 mbar to 400 bar
Diaphragm material	Stainless steel, hastelloy, tantalum, monel, gold
Output	4...20 mA analog with HART signal, Profibus PA
Temperature of measured medium	-40°F bis +212°F -40°C bis +100°C
Accuracy	0,075%
Max. turndown	100 : 1
Langzeitstabilität	0.25% / 5 years
Process connection	Flange in compliance with EN 61518 and DIN 19213 with female thread, G ½A-male thread, ½ –14 –NPT-female thread
Certificates/ approvals	ATEX, Eex i, Eex d, FM is/xp, CSA is/xp, NEPSI, ABS SIL declaration of conformity, ...