

SIEMENS

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Process Instrumentation

Welcome the SITRANS P500 Differential Pressure Transmitter - Stainless Steel Version

usa.siemens.com/pressure



Against a backdrop of rising demands and increasingly complex applications, measuring systems must continuously raise their game. The SITRANS P500 stands out with extended functionality, increased accuracy and now with a more robust 316L enclosure.



The SITRANS P500 Differential Pressure Transmitter extends the Siemens pressure family by offering a stainless steel version.

We now offer also a solution especially for offshore applications: the SITRANS P500 with stainless steel housing.

Geared towards offshore applications, the SITRANS P500 Stainless Steel housing completes our pressure portfolio which is designed to meet all the requirements for the Oil & Gas / Marine industries.

The 316L housing is available as a standard option during the ordering process.

Key benefits

- **Usage in extreme conditions**
Housing made of stainless steel 316L
- **Reduction of maintenance costs**
Long-term stability of 0.05 % / 5 years and 0.08 % / 10 years
- **Increase plant efficiency**
Measuring accuracy of 0.03 %, total performance of 0.09 %
- **Safety of your plant**
Extremely short step response time (T63) under 88 ms

Technical data

Measuring ranges	0.4 in H ₂ O to 12.8 in H ₂ O
Diaphragm materials	Stainless steel, Hasteloy, tantalum, monel
Housing material	Stainless steel 316L / Die-cast aluminum
Measuring accuracy	0.3 %
Process temperature	-40 °F... +257 °F
Long-term stability	0.05 % / 5 years
Max. turndown	200:1
Communication	4...20 mA/HART
Certificates / Approvals	ATEX, Exia/ib, Exd, ..., FM is/xp, CSA is/xp, NEPSI, SIL, Pending: Marine type approvals

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