

Optimize your Pressure Transmitter Investments without any Compromise on Quality

Premium
Performance
IAP/IGP/IDP50S

Advanced
Performance
IAP/IGP/IDP10S

Value
Performance
IAP/IGP/IDP05S



Designed by Experience for Robustness and Reliability

- Patented FoxCal technology
- State-of-the-art accuracy as a % of reading
- 400:1 turndown capabilities
- High Speed Response Time
- TÜV SIL2 Safety Certification
- Latest communication protocol offerings
- Predictive maintenance

Reduce engineering costs and save operational expenses

- Reduced engineering hours
- Reduced documentation
- Savings in spares
- Savings in maintenance
- Savings in training

With the acquisition of the Foxboro brand, Schneider Electric is committed to provide the best instrumentation products and services to our customers. With Schneider Electric multi-tiered pressure transmitter line, you select the perfect fit for your application with TÜV SIL2 Safety certification as standard.

Premium Performance Transmitters with FoxCal™ technology are ideal for challenges such as differential head measurement for wide-ranging flows, or demanding applications requiring a high level of accuracy and a high stability. Accuracy leads the industry at $\pm 0.025\%$ of reading and stability better than $\pm 0.015\%$ URL per year for ten years.

Advanced Performance Transmitters, with an accuracy of $\pm 0.05\%$ of reading from 100% up to 4% of URL and integrated FoxCal technology, make the selection of sensor range very easy. This wide accuracy helps to standardize on one pressure transmitter, eliminating erroneous sensor selection, reducing inventory and allowing fast replacement with less downtime.

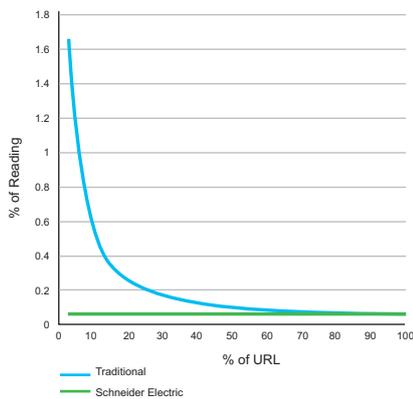
Value Performance Transmitters, with an accuracy of $\pm 0.075\%$ of span, offer robustness, experience and safety to guarantee precise and reliable measurements. These pressure transmitters, in their low power version drawing no more 3 mA, can be installed in remote locations, with a limited power budget coming from solar panels or battery sources.

This new pressure transmitter family has been designed to make your process more profitable by giving you the opportunity to select your transmitter at the best ratio of performance/price for your application, with the added value to reduce your inventory as opposed to a competitive offering.

Innovative FoxCal Technology

Where traditional suppliers have a static calibration approach with a traditional 2-point calibration technology, Schneider Electric invented FoxCal dynamic technology including 11 calibration curves in 1 transmitter with 10 times more data stored permanently in the sensor memory. FoxCal technology allows the pressure transmitter to transition automatically to the best calibration curve based on the transmitter's input. Accuracy has been improved to the best level on the market with an accuracy expressed as a percentage of reading.

Transmitter Accuracy



Safety & Control

With Schneider Electric Pressure Transmitters, safety is standard not an option! In addition to the traditional agency certifications, these transmitters have TÜV SIL2 certification as standard. The same transmitter can now be deployed for standard and safety applications. A red or yellow cover can be ordered to identify a pressure transmitter dedicated to safety loops.

Communication & Maintenance

To guarantee an easy integration in your system, Schneider Electric transmitters and associated configuration files have been tested in dedicated interoperability laboratories. As a step forward, our Pressure Transmitters are already compatible with Field Device Interface technology.

To enhance maintenance startup, embedded diagnostics have been improved with the latest communication protocol versions. In addition, two time clocks have been integrated to keep track of the number of days the transmitter has been in service in the field. This is a key parameter for predictive maintenance.

With Patented FoxCal technology and TÜV SIL2 Safety certification coupled with high accuracy and reliability, the Schneider Electric multi-tiered pressure transmitter family is the perfect solution to optimize your investments and realize additional savings.

Absolute, Gauge and Differential Pressure Transmitters	Premium Performance Pressure Transmitters IAP/IGP/IDP50S	Advanced Performance Pressure Transmitters IAP/IGP/IDP10S	Value Performance Pressure Transmitters IAP/IGP/IDP05S
Reference Accuracy	Up to +/- 0.025% Reading	Up to +/- 0.05% Reading	Up to +/- 0.075% Span
Long Term Stability	< ±0.015% URL/Yr for 10yrs	< ±0.03% URL/Yr for 10yrs	< ±0.05% URL/Yr for 5yrs
Min. Response Time	100ms	100ms	100ms
FoxCal patented technology	Yes, 11 calibration curves embedded	Yes, 11 calibration curves embedded	No, traditional 1 calibration curve
Max. Turndown capabilities	400:1	400:1	400:1
Communication Protocols	4-20mA HART, FOUNDATION Fieldbus™	4-20mA HART, FOUNDATION Fieldbus™	4-20mA HART, Low Power
Certifications and Approvals	FM, CSA, IECEx, ATEX, ... INMETRO, EAC, ... TÜV SIL2 (HART)	FM, CSA, IECEx, ATEX, ... INMETRO, EAC, ... TÜV SIL2 (HART)	FM, CSA, IECEx, ATEX, ... INMETRO, EAC, ... TÜV SIL2 (HART)
Warranty	5 years standard Optional: 17 years	5 years standard Optional: 17 years	2 years standard Optional: 5 years
Specifications	PSS 2A-1S50 A	PSS 2A-1S10 A	PSS 2A-1S05 A

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