

# Pressure transmitters 364

The high reliability space saver transmitter concept



- Long term stability of 0,15% for 10 years
- The solution for multiple installation in reduced spaces
- All stainless steel construction with smart drain/vent solution
- Boltless and gasket-free one piece body design
- On board LCD display with intuitive menu navigation
- Bi-directional flow and totalization capability

ABB Instrumentation



# Reliability at a glance

Stability, Robustness, Compactness, Simplicity, Safety



From the simplest concept to the smartest measurement solution, 364 is evolving the pressure transmitter concept by simplification and common sense design. 364 represents the best solution for hazardous areas and high demanding flow, level and pressure applications. Simplicity and compactness are the key to the new ABB platform for pressure measurements.

- 4...20 mA output with HART communication
- Standard local Zero & Span adjustments
- Standard surge protector
- Standard “all stainless steel” construction
- Standard one-piece boltless process chambers
- Standard drain/vent valves
- Standard NACE MR0175 wetted material
- Standard Hastelloy C276 diaphragms
- In field replaceable auto-configurable electronics modules



## ■ Plant availability thru a reliable pressure measurement

A new design based on the consolidated technology that delivered more than 1.000.000 transmitters worldwide. 0.15% stability over a 10 year period is a choice for maintenance free operation at your plant. The new boltless design combined with worldwide standard connections dramatically reduces the potential leaking points.

## ■ Unique ease of operation – innovative plug & play graphic display

The user friendly display allows simple and intuitive transmitter operation. The “Easy Setup” drives the user to an easy commissioning without the need of any hand held terminal.

## ■ Software functionality for unsurpassed application fit

A permanent and a batch totalizer are implemented for local integration in volume flow measurements.

A password protects undesired resets. Completely configurable square root linearizations with low flow cut-off are offering the best fit for flow measurement associated with any kind of primary element.



# Saving installation space

## Enhancing plant performances thru high stability

- **The smart solution for OEM's**  
**Reduced installation cost and space**  
**for differential measurements**

Half the space of a conventional transmitter requested for installation.

- **Explosion proof protected**

Combined hazardous area electrical certification, user selectable on the same device, keeps inventory low.

- **The best fit for Oil & Gas**

Standard stainless steel explosion proof housing in combination with NACE MR0175 wetted parts is the convenient solution for offshore plants and aggressive environment.

- **Accelerated operational drift tests have demonstrated the exceptional stability of the 364**

- **Total temperature effect for the whole range (-40°C...+85°C) better than 0.1% of URL**



### Pressure transmitter 364 overview

<b>Type</b>	<b>364DS</b>	<b>364PS</b>
<b>Measurement</b>	Differential Pressure	Gauge Pressure
<b>Construction</b>	All stainless steel body Hastelloy process diaphragms Optional indicator	
<b>Electrical connections</b>	1/2 -14 NPT / M20 x 1.5 (CM20)	
<b>Process connections</b>	1/4 - 18 NPT-f direct 1/2 - 14 NPT-f through adapter	
<b>Measuring ranges</b>	0.16 to 16000 kPa 1.6 mbar to 160 bar 0.65 inH <sub>2</sub> O to 2320 psi	

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