

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

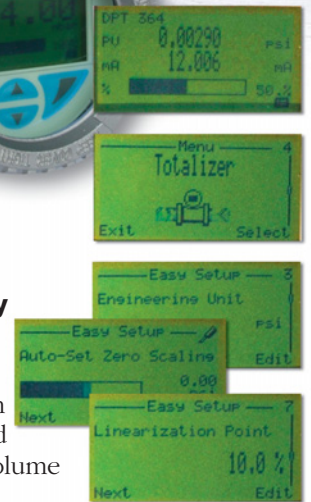
A new design based on the consolidated technology that delivered more than 1.000.000 transmitters worldwide. 0.15% stability over a 10 year period is a choice for maintenance free operation at your plant. The new boltless design combined with worldwide standard connections dramatically reduces the potential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

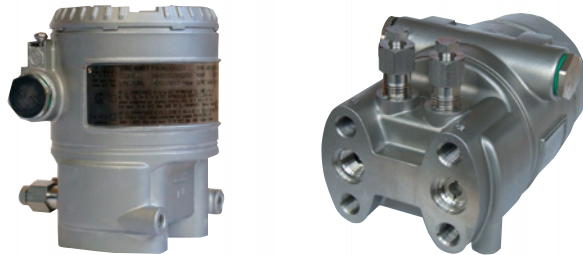
Standard stainless steel explosion proof housing in combination with NACE MR0175 wetted parts is the convenient solution for offshore plants and aggressive environment.

■ Accelerated operational drift tests have demonstrated the exceptional stability of the 364

■ Operative accuracy in the whole temperature operating range is better than 0.1%



Pressure transmitter 364 overview



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

ABB is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 102,000 people.

www.abb.com/instrumentation

The Company's policy is one of continuous product improvement and the right is reserved to modify the information contained herein without notice.

Printed in Italy (05.2006)
© ABB 2006



Germany

ABB Automation
Products GmbH
Borsigstr. 2
63755 Alzenau
Tel: +49 551 905 534
Fax: +49 551 905 555

UK

ABB Limited
Oldends Lane
Stonehouse
Gloucestershire GL10 3TA
Tel: +44 1453 826 661
Fax: +44 1453 829 671

Italy

ABB Sace S.p.A.
Via Statale 113
22016 Lenno (CO)
Tel: +39 0344 58111
Fax: +39 0344 56278

USA

ABB Inc
Automation Technology
Products
125 E. County Line Rd
Warminster PA 18974-4995
Tel: +1 215 674 6000
Fax: +1 215 674 7183

China

ABB (China) Ltd.
35th floor, Raffles City
(Office Tower)
268 Xizang Zhong Lu
Shanghai, 200001
Tel: +86 (0) 21 6122 8888
Fax: +86 (0) 21 6122 8892