



Improve Process Insight with the Rosemount 3051S MultiVariable Pressure Transmitter with *WirelessHART*® Communications

Monitor more with wireless – even in remote and hard-to-reach locations – at a 40 to 60% savings over wired options and with 99%+ data reliability.

DISCOVER MORE

See what you can do with the Rosemount 3051S MultiVariable Wireless Pressure Transmitter at:

Open the door for new possibilities in process improvement. Learn how at:



Scan the code to learn more.

THE CHALLENGE

Limited labor resources and budgets can restrict your ability to make multiple measurements. With the Rosemount 3051S MultiVariable Wireless Pressure Transmitter, you can accurately measure multiple process variables and gain greater insight into your process.

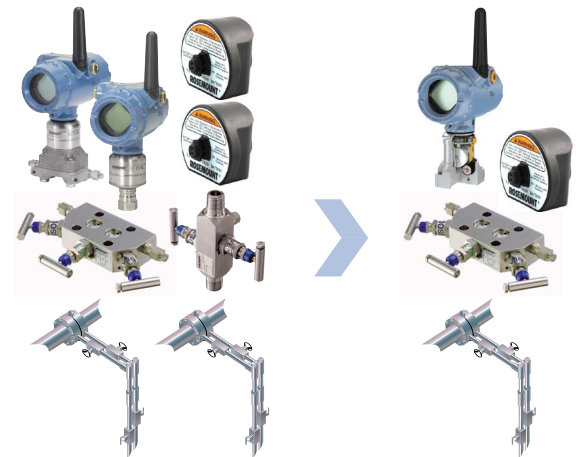
ROSEMOUNT 3051S MULTIVARIABLE WIRELESS PRESSURE TRANSMITTER CAPABILITIES

Reduce Installation Costs

- Reduce pipe penetrations and impulse piping with industry leading 2-in-1 sensor technology
- Decrease deployment time and device commissioning with Emerson's wireless infrastructure

Improve Flow Measurement Accuracy

- Externally compensate for line pressure variations with integrated static pressure measurement
- Improve calibration accuracy and ease with a true gage static pressure sensor



Current configuration

Rosemount 3051SMV Wireless configuration

ROSEMOUNT 3051S MULTIVARIABLE™ WIRELESS PRESSURE TRANSMITTER

SPECIFICATIONS

Differential Pressure

Reference Accuracy

+/- 0.04% of Reading (Ultra for Flow)

+/- 0.04% of Span (Classic)

Static Pressure Reference Accuracy

+/- 0.025% of Reading (Ultra for Flow)

+/- 0.055% of Span (Classic)

Antenna Ranges

Long Range: 225m (750 feet)

Extended Range: 800 m (1/2 mile)

High-Gain Remote: 1 km (2/3 mile)

Scaled Variable

Available on Differential Pressure Sensor

Square Root or Linear Offset Output

Display Type

3-Line LCD Display

Output

WirelessHART®

Pressure Ranges

DP: Up to 2,000 psi (137,9 bar)

SP: Up to 3,626 psi (250 bar)

Power Requirements

I.S. Black Power Module

(Up to 6.5-year life)

Hazardous Locations

Intrinsic Safety Approvals

COMMON APPLICATIONS

Enhanced Oil Recovery

- Steam injection
- CO₂ injection
- Water injection

With the Rosemount 3051S MultiVariable Wireless Pressure Transmitter, you can automate O&G fields faster and gain insight into remote operations. Because you capture two measurements with a single device, you can reduce maintenance headaches, spend less time on site and reduce costs. Additionally, you can ensure wellhead integrity and optimize injection rates.

Compressed Air Filters

- Measure pressure and differential pressure across filters and strainers

Use the Rosemount 3051S MultiVariable Wireless Pressure Transmitter to prevent plugged filters, protect equipment from debris, and measure line pressure without creating another pipe penetration.

Plant Utility Monitoring

- Steam and gas
- Compressed air
- Water

Optimizing energy production is difficult because you don't always have accurate energy measurements. With the Rosemount 3051S MultiVariable Wireless Pressure Transmitter, you can monitor flow and pressure in compressed air, steam and water systems to benchmark energy usage, identify energy saving opportunities throughout the plant and provide accurate internal billing.

Heat Exchangers

- Inlet and outlet flow rates and pressure to calculate efficiency

Fouling of tubes reduces efficiency and increases energy usage and cost. The Rosemount 3051S MultiVariable Wireless Pressure Transmitter provides early detection of fouling so you can schedule maintenance proactively.



Differential Pressure Sensor

Static Pressure Sensor

DISCOVER MORE

Learn more at:

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