

Gain More Control of Your Operation

Rosemount® 3051 Pressure Products

THE CHALLENGE

Your costs for measurement instrumentation go well beyond the price of the device. While trying to keep your costs down, you still need to work as efficiently and safely as possible. With the capabilities of the Rosemount 3051, you can increase productivity, reduce maintenance, extend your budget, and achieve more.

“66% of maintenance time is actually spent simply trying to diagnose the issue”

–Downtimecentral.com

“60% of all safety incidents occurred when a maintenance job was performed reactively, versus proactively.”

–Handbook of Maintenance Management and Engineering

“40% of the existing workforce will retire in the next 10 years.”

–Society of Petroleum Engineers

DISCOVER MORE

Online product page:
www.rosemount.com/3051

Interactive product tour:
www.rosemount.com/3051demotour



HART
COMMUNICATION PROTOCOL

FOUNDATION

PROFIBUS

IEC
WirelessHART

THE SOLUTION

Solutions and Experience You Can Trust

- The Rosemount 3051 has the industry’s broadest offering of pressure, level and flow solutions available with SIL 2/3 certification to meet your demanding application needs for safety, control and monitoring.
- Emerson brings unmatched experience and reliability to pressure measurement as the industry leader with 50 years of proven history and over 15,000,000 installed devices.

Improve Operational Performance and Efficiency

- Tighten your process control with best-in-class performance.
- Increase efficiency with engineered solutions that meet application-specific requirements.

Increase Worker Productivity and Lower Maintenance Costs

- Commission the Rosemount 3051 in less than one minute with the Local Operator Interface (LOI), saving time and money at every device.
- Reduce downtime by detecting electrical loop integrity issues with Power Advisory Diagnostics.

Stay Within Budget

- Monitor more with wireless—even in remote and hard-to-reach locations—at a 40-60% savings over wired systems.
- Reduce installation costs with ready-to-install pressure, flow, and level solutions.

Emerson has enhanced Rosemount 3051 Pressure Products with new features, performance improvements and capabilities.

NEW ENHANCEMENTS (specify HR5)

Performance Improvements

- 0.04% span reference accuracy
- 150:1 rangedown
- LCD and LOI operate to -40 °C

Selectable HART Revision

Minimize inventory and protect your investment with selectable HART revision. Because the Rosemount 3051 is field configurable to revision 5 or 7, you can match current and future system capabilities.

Scaled Variable

The Rosemount 3051's scaled variable feature means you can configure the output in engineering units for your specific application, reducing complexity.

Process Alerts

Process alerts notify you of unexpected pressure or temperature changes, so you can prevent issues before they become serious. The transmitter can be configured to notify you when user-defined limits are exceeded.

Low Flow Cutoff

With low flow cutoff, you can eliminate erroneous readings by driving the output to zero at no flow conditions.



Scan the code to learn more or go to www.rosemount.com/3051

NEW OPTIONS

Power Advisory Diagnostics (specify DA0)

Now you can proactively detect degraded electrical loop integrity issues before they affect your process operation. This innovation helps prevent unplanned downtime and is safety certified for your most critical applications.



Local Operator Interface (specify M4)

The LOI features straightforward menus and built-in configuration buttons so you can commission the device in less than a minute without complicated training or tools—even in hazardous-area locations—without opening the transmitter housing.



Wireless (specify "Transmitter Output" X)

See more of your operation with Rosemount 3051 wireless solutions. Quickly add new pressure, level or flow measurements, even in remote locations, without significant infrastructure costs.



Safety Certification (specify QT)

The Rosemount 3051 is SIL2/3 certified (IEC 61508) and includes complete documentation to support your SIS requirements. The certification is also available with the Power Advisory Diagnostic for expanded coverage.



External Buttons (specify M4, DZ, or D4)

External buttons are isolated from the transmitter electronics allowing you to configure in hazardous areas. You can also specify what the buttons do:

- Local Operator Interface (specify M4)
- Digital Zero - Compensates for mounting position effects (specify DZ)
- Analog Zero and Span - Re-range transmitter with applied pressure (specify D4)

