

Rosemount 3051S Series

- Industry leading performance with 0.025% accuracy
- Industry's first %-of-reading flow transmitter delivering a 10x performance improvement
- Industry's first 10-year stability under actual process conditions
- Unprecedented reliability backed by a limited 12-year warranty
- Scalable SuperModule® Platform enables more cost effective installation and maintenance practices to meet expanding needs
- Advanced PlantWeb® functionality for HART® and FOUNDATION fieldbus™ to increase plant availability
- Improved user interface with enhanced Electronic Device Description Language (EDDL)
- Safety Certified to IEC61508 by TÜV



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Success through innovative measurement

Industry leading performance with 0.025% accuracy

The Rosemount 3051S delivers cutting edge performance beginning with the *SuperModule* Platform. Among the many advances, Saturn™ sensing technology incorporates a secondary sensor to optimize performance and expand diagnostic capabilities.

Industry's first %-of-reading flow transmitter

Innovative design combined with patent-pending manufacturing techniques deliver a 10x performance improvement and a wide flow turndown with the Ultra for Flow performance class.

Industry's first 10-year stability under actual process conditions

Stability begins with the all-welded, 316L SST hermetically sealed *SuperModule* Platform that houses a single electronics board to eliminate moisture and field contaminant effects.

Unprecedented reliability backed by a limited 12-year warranty

Further enhance installation practices and advanced diagnostic capabilities with the most reliable platform supported by a 12-year warranty.

Scalable *SuperModule* Platform

Provides a foundation for integrated pressure, flow, and level solutions. It allows you to customize performance, functionality, diagnostics, and process connections for your expanding application needs.

Advanced *PlantWeb* functionality



The 3051S powers the *PlantWeb* architecture by delivering the best sensor and transmitter with the scalable *SuperModule* Platform, best installation practices for pressure, flow, and level, and best field intelligence with advanced diagnostics for HART and FOUNDATION fieldbus. This enables proactive maintenance and delivers increased process availability.

Enhanced EDDL

Improved user interface with better organization of device parameters and built in graphing system.

Safety Certified to IEC61508 by TÜV

The 3051S is certified by TÜV to IEC61508 for single input use in SIL 2 Safety Instrumented Systems and dual input use in SIL 3 Safety Instrumented Systems.

Rosemount Pressure Solutions

Rosemount 3051S Series of Instrumentation

Scalable pressure, flow and level measurement solutions improve installation and maintenance practices.

Rosemount 3095 Mass Flow Transmitter

Accurately measures differential pressure, static pressure and process temperature to dynamically calculate fully compensated mass flow.

Rosemount 305 and 306 Integral Manifolds

Factory-assembled, calibrated and seal-tested manifolds reduce on-site installation costs.

Rosemount 1199 Diaphragm Seals

Provides reliable, remote measurements of process pressure and protects the transmitter from hot, corrosive, or viscous fluids.

Orifice Plate Primary Element Systems: Rosemount 1495 and 1595 Orifice Plates, 1496 Flange Unions and 1497 Meter Sections

A comprehensive offering of orifice plates, flange unions and meter sections that are easy to specify and order. The 1595 Conditioning Orifice provides superior performance in tight fit applications.

Annubar® Flowmeter Series: Rosemount 3051SFA *ProBar*®, 3095MFA Mass *ProBar*®, and 485

The state-of-the-art, fifth generation Rosemount 485 *Annubar* combined with the 3051S or 3095 *MultiVariable* transmitter creates an accurate, repeatable and dependable insertion-type flowmeter.

Compact Orifice Flowmeter Series: Rosemount 3051SFC, 3095MFC, and 405

Compact Orifice Flowmeters can be installed between existing flanges, up to a Class 600 (PN100) rating. In tight fit applications, a conditioning orifice plate version is available, requiring only two diameters of straight run upstream and two downstream.

ProPlate® Flowmeter Series: Rosemount 3051SFP *ProPlate*, 3095MFP Mass *ProPlate*, and 1195

These integral orifice flowmeters eliminate the inaccuracies that become more pronounced in small orifice line installations. The completely assembled, ready to install flowmeters reduce cost and simplify installation.