

Smart Meter Verification for Rosemount Gas Ultrasonic Flow Meters

Combining Emerson's Smart Meter Verification with Rosemount Intelligent Gas Ultrasonic Flow Meters offers you supreme measurement confidence



Verification that's Simple

Smart Meter Verification transforms diagnostic data into a simplified, clear meter health status with actionable information to improve operational efficiency and measurement uncertainty in the field.

Enabling users to efficiently check the flow meter's health, this new generation of diagnostic capabilities gives operators visibility into intermittent process or meter issues discovering problems before they impact the operation.

Easy to understand status results substantially reduces efforts previously spent on data analysis, leaving operators more time to focus their efforts elsewhere and a measurement they can trust.

Status Reports

- Red, yellow, or green overall status icons and separate meter and process status results
- Prioritized alarms with explanations and troubleshooting guidance

Automatic or On-Demand Reports

- Automatically scheduled monthly reports
- Select any available time period for on-demand reports (one day to 6 months)
- Trend data going back 6 months with on-demand reports

On-Site and Remote Access

- MeterLink access to scheduled or on-demand reports
- Extract reports from multiple meters all at once through Net Monitor
- Daily status results for all categories can be polled through Modbus

Net Monitor (Summary View of All Meters)

- Automatic report collection by meter groups
- Easily bundle all scheduled meter reports
- View Smart Meter Verification status column on all grouped meters
- Conveniently view any meter's latest Smart Meter Verification Report



Smart Meter Verification improves measurement confidence without laborious interpretation of data.

For more information, visit

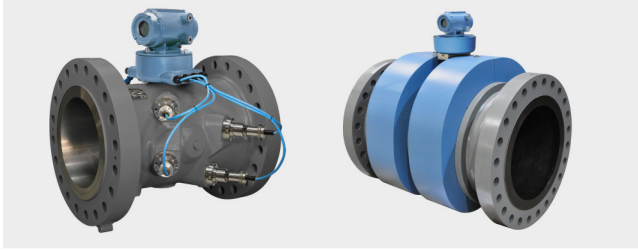
[Emerson.com/RosemountUltrasonic](https://www.emerson.com/RosemountUltrasonic)

or contact your local Emerson Sales Representative



Compatible Gas Ultrasonic Meters

Rosemount 3414 and 3418 8-Path Gas Ultrasonic Meter



- Process and meter status with prioritized alarms
- Up to 20 months of SMV history
- Alarm resolution help
- Meter and process trend charts

Rosemount 3415, 3416, 3417 Dual-Configuration Meters



- Process and meter status with prioritized alarms
- Up to 20 months of SMV history
- Alarm resolution help
- Meter and process trend charts
- Additional charts:
 - Speed of Sound Comparison
 - Uncorrected Flow Comparison

Rosemount Smart Meter Verification Report



Serial Number: 1500725123
Meter Name: Customer's Meter

Ultrasonic Smart Meter Verification

Date Range: Thursday, May 13, 2021 to Monday, May 17, 2021
Report Type: On-Demand



Model: 3418
Firmware: 1.50-Gas_RC6_Prod2021/05/02
Station Name: Customer's Station A

Report Result



Meter		Process	
Flow-condition volumetric flow rate	✓	Base-condition volumetric flow rate	✓
Electronics	✓	Velocity diagnostics	✓
Speed of sound path spread	✓	Speed of sound diagnostics	✓
Performance	✓	Flow rate diagnostics	✓
Transducers	✓	Gas composition/pressure/temperature	✓
Configuration	✓		

- ✓ **Pass** No alarms were present during the report period. The meter and/or process conditions were within specified limits.
- ⚠ **Warning** Alarms occurred during the report period that indicate that the meter or process conditions may have an impact on measurement accuracy.
- ✗ **Fail** Alarms occurred during the report period that could indicate a loss of measurement validity or a reduction in measurement accuracy.

Remarks: _____

Signature (collected by): _____ Date: _____

Report Produced by Rosemount MeterLink Version P1.80.025

Page 1

Leverage Global Service Capabilities From a Partner You Can Trust

Lifecycle Services

The expertise, technology, and processes to operate safely, improve reliability, and optimize your plant performance.

Educational Services

A wide range of education services to help you train new hires, improve your current workforce skills, and adapt to new technologies.

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DNGI-002537

Consider It Solved.

Emerson Automation Solutions supports you with innovative technologies and expertise to address your toughest challenges.

For more information, visit

[Emerson.com/RosemountUltrasonic](https://www.emerson.com/RosemountUltrasonic)