

The Rosemount Tank Gauging System for Liquefied Pressurized Gas

Increase reliability, safety and efficiency

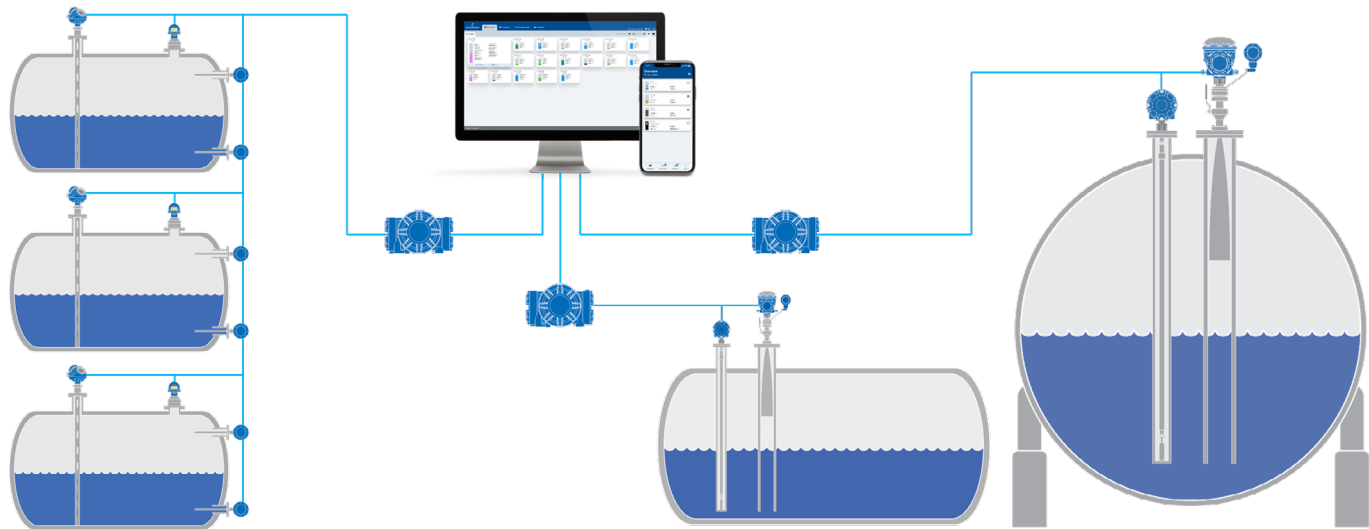


A System Solution You Can Trust

Storage of liquefied gases in pressurized vessels places high demands on equipment and operations. Since the tanks cannot be opened while in service and are expected to run for years in between maintenance stops, you need a solution you can trust. The Rosemount™ Tank Gauging system for liquefied gases offers increased reliability, safety and efficiency. The system includes on-tank measurement instrumentation, communication infrastructure such as data concentrators and wireless gateways, and control room software for inventory management and operator interface.

Benefits of choosing the Rosemount Tank Gauging System for your pressurized gas operations include:

- Unique 2-in-1 technology providing two independent measurements using only one tank opening
- Online verification of measurements inside the measuring range while tank is in operation
- Fully certified solution: custody transfer accuracy according to OIML R85:2008 and SIL 2 and SIL 3 certified safety according to IEC 61508
- Simple to upgrade existing old mechanical instrumentation without modifying the tank



System solution for bullet and sphere pressurized storage tanks

The Rosemount Tank Gauging System is completely modular and scalable. System configuration and instrument selection can be adapted to best fit the needs of each tank, tank group, and for the entire site or even multiple sites. No matter which demands on accuracy, communication infrastructure, safety solutions and more, there is always a solution that fits your needs.

For more information, visit
[Emerson.com/Rosemount-TankGauging](https://www.emerson.com/Rosemount-TankGauging)
or contact your local Emerson Sales Representative



A Measurement Solution Specialized for Pressurized Gas

The Rosemount Tank Gauging System for pressurized storage tanks offers several unique features in order to increase operational reliability, safety and efficiency.

Dual Level and Pressure

Dual independent level and pressure transmitters ensure ultimate reliability and provide built-in redundancy. All in just one device and using only one tank opening with the Rosemount 5900S 2-in-1 Radar Level Gauge.

Precision Temperature

Multiple-spot, 4-wire RTD temperature sensors provide highest precision, which is required for accurate volume calculations. Alternatively, single-spot sensors can be used in tanks where accuracy is less critical.

Scalable System Solution

The system is flexible to meet different performance needs. Options include:

- Highest accuracy non-contacting radar or medium accuracy guided wave radar
- Single or multiple spot temperature measurement
- Diverse or identical separation for independent high-level alarm
- Wired or wireless communication
- Software options for fixed control room stations and on-the-go access with smartphone and tablet



5900S 2-in-1 with dual pressure transmitters



Rosemount 2240S and 565 Multiple Spot Temperature Sensor



Rosemount 5300 Guided Wave Radar



The 5900 Radar Level Gauge with a built-in, fire-proof ball valve, an integrated pressure sensor and a unique LPG antenna. Specially designed for best measurement performance in pressurized tanks.

Consider It Solved.

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

For more information, visit [Emerson.com/Rosemount-TankGauging](https://emerson.com/Rosemount-TankGauging)

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