

Scalable Tank Monitoring System for Improved Inventory, Efficiency, and Safety

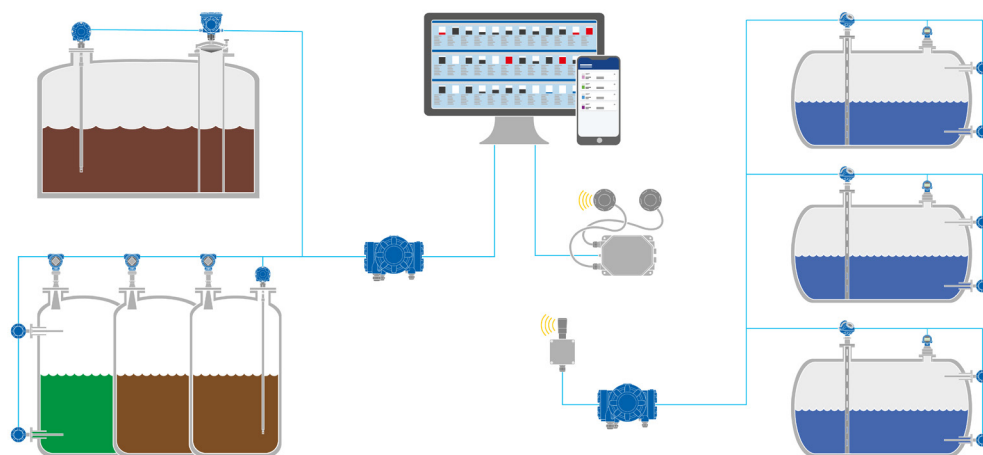


Stay in Control of Your Tank Inventory

A tank monitoring system brings tank and inventory data straight into the control room. It enables:

- Monitoring of level measurements and volumes with easy-to-use software
- Automation of storage operations using proven and reliable technology
- Increased personnel safety by reducing the need to visit and climb tanks

The system approach can reduce cabling costs by up to 50% thanks to the unique Rosemount™ 2410 Tank Hub. Power supply is needed only to the tank hub, from there a two-wire cable with digital communication and power is daisy-chained to multiple transmitters. No rack, barriers, power conditioner and no external bus termination – it is all handled by the tank hub. Even larger cost reductions are possible when using *WirelessHART*® from the tank hub instead of running cables over long distances to remote tanks.



A tank monitoring system is a simple and efficient way to connect multiple tanks into a network and display the data in a software interface.

A tank monitoring system fits a wide range of applications, with various tank types such as:

- Smaller tanks in hydrocarbon terminals
- Ethanol and palm oil tanks
- Chemical and hydrocarbon additive tanks
- Lube oil tanks
- LPG/LNG terminals with bullet tanks
- Chemical production plants e.g., paint manufacturers

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



A Tank Monitoring System Tailored to Meet Your Needs

Different equipment options are available for tank measurements, inventory management, and communication – all are seamlessly integrated into a complete and automated system.

Rosemount TankMaster™ 	Rosemount 2410 Tank Hub 	Wireless Infrastructure 
• Operator interface for inventory management • Level and volume data, alarms, automatic reports, etc. • TankMaster Mobile: device responsive app for inventory insight anytime and any place	• Feeds power to transmitters via intrinsically safe tankbus • Supports up to 10 tanks • Supports multiple communication protocols including <i>WirelessHART</i> • Offers two configurable relay outputs	Emerson 775 Wireless THUM™ Adapter • Wireless communication to entire loop via the tank hub Emerson 1410S Wireless Gateway • Secure, scalable, and reliable self-organizing network
Non-contacting Radar 	Guided Wave Radar 	Temperature Measurement 
5900C Radar Level Gauge • High accuracy, suitable for larger tanks and still-pipes 5408 Level Transmitter • Suitable for smaller tanks – up to ten transmitters can be connected to one tank hub	5300 Guided Wave Radar • Great for pressurized bullet tanks, e.g., with LPG – up to five transmitters per tank hub 3308 Wireless Guided Wave Radar • Battery powered, true wireless	2240S Transmitter with 565 or 765 Multiple-Spot Sensor • Highly accurate multiple spot temperature for precise volume calculations 644 Transmitter with 214C Single Point Sensor • For single spot measurement

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