

CONFIDENT LEVEL MEASUREMENT FOR EVERY BATCH

Emerson's Hygienic Non-Contacting Radar Level Measurement for Life Sciences

Life Sciences manufacturers must maintain product quality, hygienic integrity and process efficiency while managing changing conditions across different vessels and applications. In this context, reliable level measurement can help you:

-  **Protect batch consistency**
Maintain reliable level information as process conditions change.
-  **Reduce operational risk**
Avoid unnecessary interventions, false alarms and uncertainty around critical levels.
-  **Start up with confidence**
Commission more easily without repeated manual echo suppression.

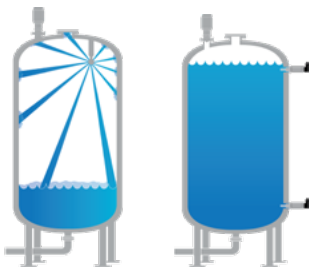
Discover Rosemount™ Level Measurement for Life Sciences

Rosemount™ 1408H Non-Contacting Radar Level Transmitter

Compact hygienic radar for straightforward vessel applications.



Ideal for applications such as:



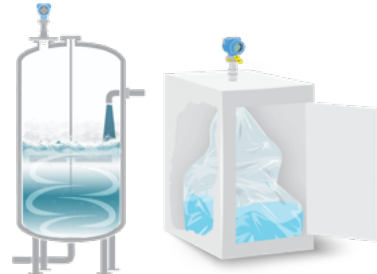
Storage and buffer tanks, small vessels,
CIP/SIP tanks

Rosemount™ 5408 Non-Contacting Radar Level Transmitter

Advanced hygienic radar with diagnostics for demanding process vessels.



Ideal for applications such as:



Mixing and blending tanks, bioreactors,
single-use applications

All models are available on Emerson's QuickShip program to guarantee fast, reliable delivery.



CONFIDENT LEVEL MEASUREMENT FOR EVERY BATCH

Why Rosemount Non-Contacting Radar Level Measurement?



Protect batch consistency

Install in less than 20 minutes and measure reliably from the start thanks to Smart Echo Supervision™, which automatically tracks the product surface while disregarding internal obstructions.



Hygienic by design

Top-mounted radar without contact with the process media and unaffected without by changes in pressure, temperature or density during CIP/SIP.



Diagnostics that add context

Verify measurement performance, obtain early alerts and insights, and plan for proactive maintenance with advanced diagnostics on the Rosemount 5408.

Specifications		
	Rosemount 1408H Level Transmitter	Rosemount 5408 Level Transmitter
Communication Protocol	4-20 mA (3-wire) IO-link Switch (PnP/NpN) 2-wire 4-20 mA/HART®	4-20mA HART® (2-wire loop-powered) Foundation™ Fieldbus
Accuracy	± 0.08 in. (± 2 mm)	Standard: ± 0.08 in. (± 2 mm) Ultra accuracy: ± 0.04in. (± 1mm)
Max Measuring Range	32.8 ft. (10 m)	492 ft (150m)
Operating Pressure	116 psi (8 bar)	-15 to 1450 psi (-1 to 100 bar)
Operating Temperature	-40 to 302°F (-40 to 150°C)	-76 to +482 °F (-60 to +250 °C)
Diagnostics	Smart Echo Supervision	Smart Echo Supervision, Signal Quality Metrics, Partial Proof Test, Smart Meter Verification, Onboard Historian
Approvals and Certificates	3A, FDA, EG1935, EHEDG	3A, FDA, EG1935
Housing	Polished stainless steel (IP66, 68 and 69)	Stainless Steel
Wetted Materials	PTFE, 316L/1.4435, EPDM or FKM (Surface roughness Ra <0.76 µm)	Process seal antenna with Tri-clamp, all PTFE wetted parts.

* For full specifications, refer to the product data sheets.

The Emerson logo is a trademark and service mark of Emerson Electric Co.
Rosemount is a registered trademark of one of the Emerson family of companies.
All other marks are the property of their respective owners. © 2026 Emerson Electric Co. All rights reserved.

00807-1600-4408 Rev AA

ROSEMOUNT™

