

# Rosemount™ 1408H Non-Contacting Radar Level Transmitter

Effortlessly Smart. Optimized for level measurement applications in the food and beverage industry.



The unrivalled advantages of non-contacting radar technology are now within reach for all food and beverage producers. The Rosemount 1408H Level Transmitter with Fast Sweep Technology provides reliable hygienic measurement in the most compact design to date. The world's first IO-Link non-contacting radar is easy to use and minimizes contamination risk, ensuring product consistency and safety. Just set the range and you're good to go.

## Reduce product losses



- Compact continuous level measurement you can trust: All-new chip design provides excellent surface tracking
- Alert operators of critical level limits with the configurable switch output
- Reduced downtime: maximized accuracy and reliability even in challenging rapid-fill vessels

## Maximize production capability



- Make more of your tank without risk of overflowing: The Rosemount 1408H has no dead zone; level is measured reliably, right to the top of the tank
- Easy system integration: Connect and configure online or offline using IO-Link connectivity
- Maintenance free radar and unaffected by changes in process conditions

## Simplify cleaning processes, ensure food safety



- Unique design withstands high cleaning temperatures: The compact yet robust housing is compatible with CIP/SIP processes and harsh washdowns
- Stainless steel housing with minimal crevices and a drip-off seal for ease of cleaning.
- Top-down non-contacting technology avoids leaks and is resistant to condensation and build-up

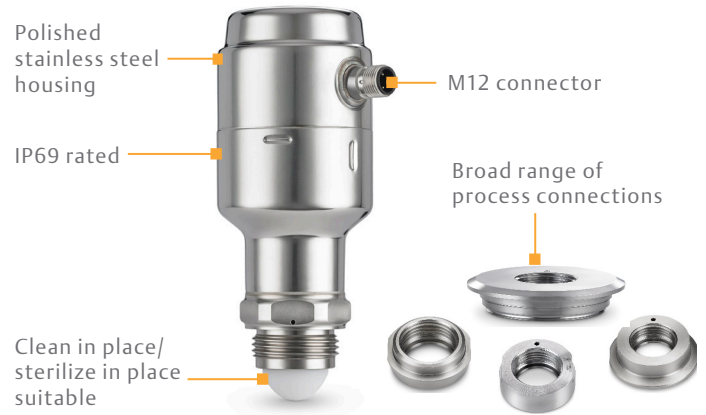


For more information visit  
[Emerson.com/Rosemount1408H](https://www.emerson.com/Rosemount1408H)

  
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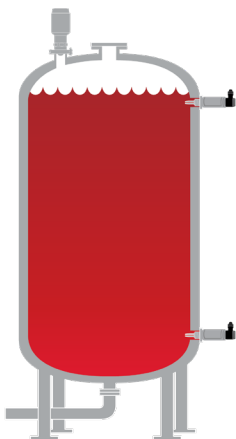
## Rosemount 1408H Non-Contacting Radar Level Transmitter

- Energy-efficient single chip that combines 80 GHz and FMCW technology in a compact form factor
- Top down measurement, focused beam angle and no dead zones
- Fast Sweep Technology provides 40 times more data compared to legacy technologies
- Hybrid communication options with 4-20 mA/switch output and IO link digital protocol
- Smart algorithms reduce configuration



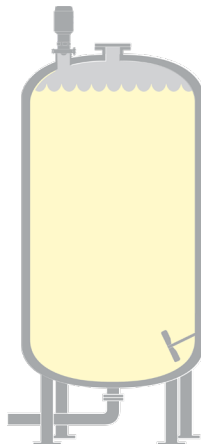
## Continuous hygienic level applications

### Storage tanks



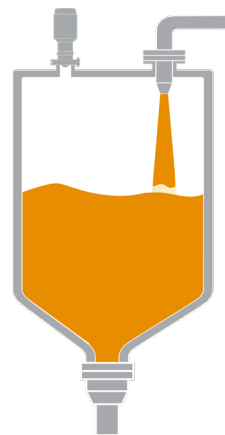
Gain insights into your tank and ensure production runs smoothly without interruption.

### Mixing tanks



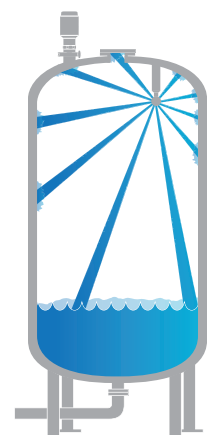
Ensure correct filling and storage levels in tanks with agitators.

### Batch filling



Optimize the batch filling process.

### CIP process



Get reliable level measurement during and after cleaning, plus optimization of cleaning agent storage.

## Specifications

Measuring range	32.8 ft. (10 m)
Accuracy	±0.08 in (± 2 mm)
Output	4-20 mA, IO-link, switch (PNP/NPN)
Pressure rating	-14.5 to 116 psi (-1 to 8 bar)
Temperature rating	-40 to 302 °F (-40 to 150 °C)
Wetted materials	PTFE, 316L/1.4435, EPDM or FKM (Surface roughness Ra <0.76 µm)
Housing	Polished stainless steel (IP66, 68 and 69)
Hygienic approvals	3A, FDA, EG1935, EHEDG

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