



How do I Know the Rosemount 5408 is a Good Fit for Safety Applications?

Non-contacting radar handles many challenging applications including changing fluid characteristics (density, dielectric, conductivity, viscosity) and wide variations in pressure and temperature. The midrange 26 GHz frequency is optimal for typical process level application challenges including condensation, turbulence, nozzles, product build-up, foaming and agitators.

The Rosemount 5408 Level Transmitter offers:

- Broad range of connections
- Wide pressure and temperature limits
- Long measuring range
- No dielectric limits
- HART® Protocol
- SIL2 Certified



CHALLENGES IN SAFETY APPLICATIONS

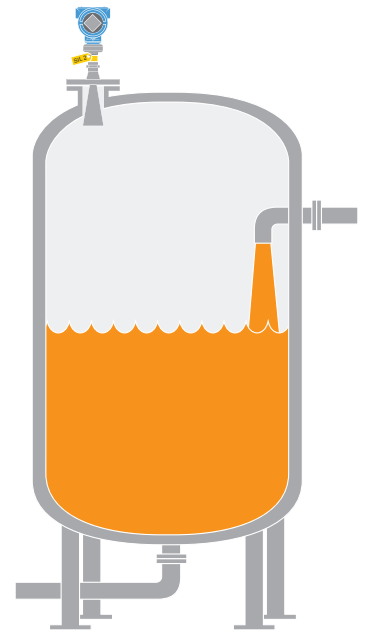
Safety applications can include a wide range of process conditions. Rapid level changes and measurements to prevent overflowing and dry run conditions are important to the safety of the process and the environment.

THE ADVANTAGE OF RADAR

Non-contacting top down radar can handle a wide variety of challenging application conditions while measuring the range of the tank from empty to full.

ROSEMOUNT 5408 ADVANTAGES

- The concentrated 26 GHz FMCW signal from the Rosemount 5408 can handle a wide variety of challenging conditions including foam, turbulence and rapid level changes.
- The FMEDA SIL 2 certified Rosemount 5408:SIS is designed for safety; it takes the measurement capabilities of the basic Rosemount 5408 a step further by providing an additional margin of safety independent of the basic unit to prevent overflow.
- The Rosemount 5408 has the lowest undetected safety failure rate of any radar today. In addition, expected level response time can be provided for the application at the time of commissioning.
- Proof testing is easy and safe to perform without requiring removal of the unit, disconnection of wiring, or changes in level.
- Long proof testing intervals allow testing to be accomplished within the schedule of the process plant.



For further information please visit
www.Emerson.com/Rosemount/5408




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