

Rosemount™ 5408 Level Transmitter

Next Generation Non-Contacting Radar, Engineered For Ease-Of-Use

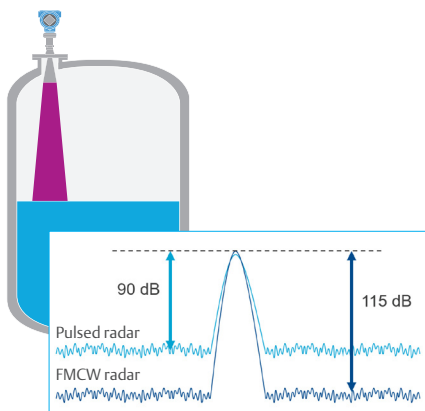
Over **40** years of
inventing and redefining radar
level measurement and we
have now taken a giant leap.

The **Rosemount 5408**.

The **best** there is.



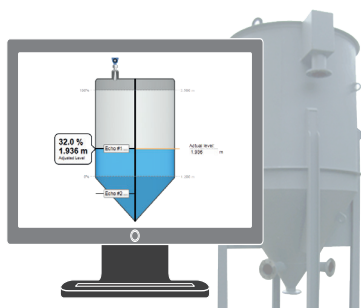
Technology to Redefine Reliability



- FMCW technology provides significantly better signal-to-noise ratio than traditional 2-wire non-contacting radars
 - Better margins provide benefits for all applications - no matter how simple or challenging
- Energy efficient unique radar chip with only 12 Volt lift off
- Immune to intermittent power losses

FMCW technology transmits a continuous signal to maximize surface echo strength and produce a more robust and reliable measurement

Ease-of-Use at Every Touch Point



- Intuitive setup with dynamic and informative graphics to aid inexperienced users
- Pictorial user instructions when you need them, where you need them
- Unique design to eliminate O-ring material selection

Human centered design results in a device that is easy to select, install, and operate for anyone

Dedicated to Safety

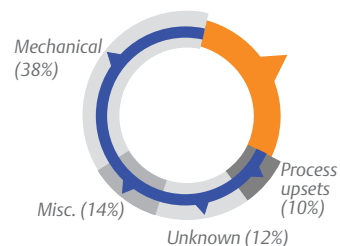


- Early alerts for antenna build-up, weak power supply, or abnormal surface conditions
- Seven days of stored data enables analysis of measurements, alerts and echo profiles
- Remote proof-testing with transmitter in process, without interrupting tank levels

Safety certified (SIL 2) to safeguard your operations with proof-test intervals guaranteed to suit your schedule



Causes of plant incidents



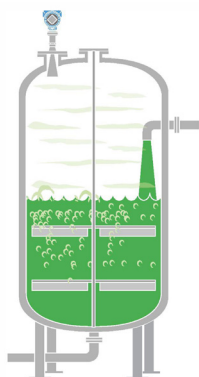
26% Operator error

The Chemical Manufacturers' Association released a report that attributed 26% of incidents to operator error.



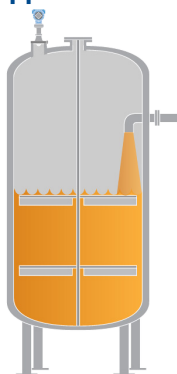
Non-contacting continuous level on liquids or solids for monitoring, control or safety

Reactors, mixers and blenders



Challenging applications with varying process conditions, turbulence and high temperatures and pressures.

Hygienic applications



Process seal antenna with tri-clamp connection are perfect to use in hygienic applications.

Solid Measurement



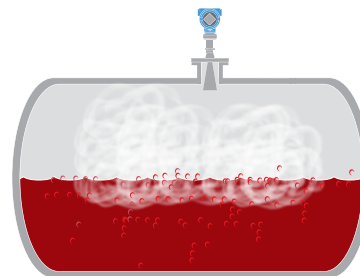
Unique solids algorithm enable reliable measurement on uneven surfaces with low DC such as solids.

Still pipe installations



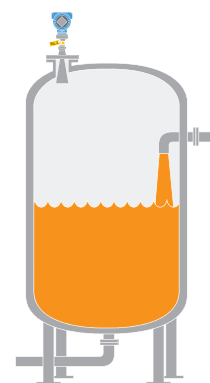
Measurement in still pipes commonly found in turbulent low dielectric fluids or where multiple internal obstacles are present.

Aggressive, coating or viscous media



Accurate and reliable level measurement with exotic materials available in tanks with foam, turbulence, condensation and low DC media.

Safety applications



Protection even in turbulent or harsh process conditions and those with rapid level changes. Unique proof testing functionality.

Specification

Communication protocol	Loop-powered 4-20mA HART; FOUNDATION Fieldbus
Ultra accuracy	± 0.04 in (±1 mm)
Standard accuracy	± 0.08 in (±2 mm)
Max measuring range	131 ft (40 m)
Min. DC	No minimum
Pressure rating	1450 psi (100 bar)
Temperature rating	-76 to +482 °F (-60 to +250 °C)
Power supply	Loop-powered 4-20mA HART: 12-42.4V dc (12-30V dc in Intrinsically Safe installations) FOUNDATION Fieldbus: 9-32V dc (9-30V dc in Intrinsically Safe installations and 9-17.5V dc for FISCO)
Hazardous area approvals	ATEX, IECEx, FM, CSA
Safety Instrumented Systems	IEC 61508 certified to SIL 2
Approvals and certificates	3-A, CRN, WHG, etc.
Antennas	Cone, process seal, parabolic

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