

# Proof-testing Rosemount 5408 Level Transmitter

Remote in-situ proof-test for level applications



## Smart Echo Level Test

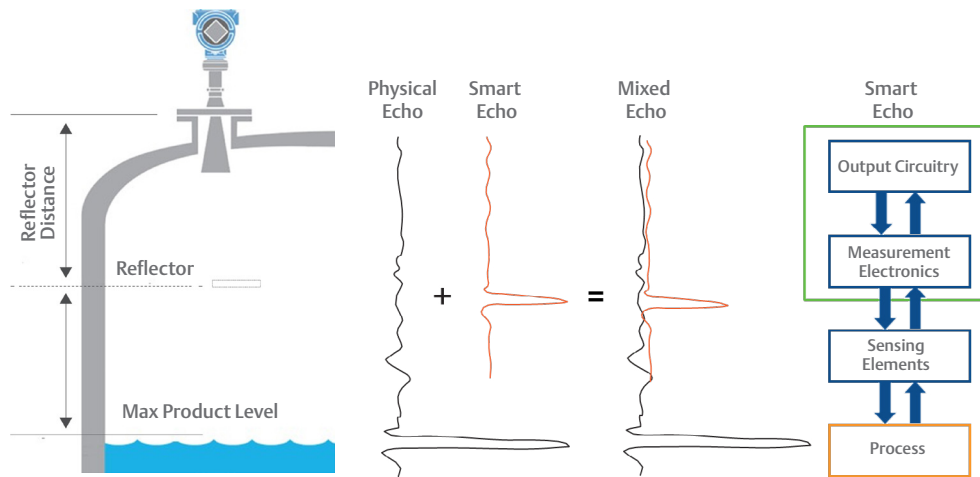
Increase both personnel and process safety by performing high and low level tests in the real tank environment, directly from the control room without the need to raise the actual tank level.

Carrying out a Smart Echo Verification is very easy, simply set a simulated digital echo at a specified level, to test and run proof-tests. The remote, in-situ proof-test works in all installations and for all types of media.



Rosemount™ 5408 Non-contacting Radar SIS Level device with in-situ proof-test capability

## Smart Echo Function



Configure smart echo at level to be tested and run proof-test

### Smart Echo Verification

- Proof-test ensures correct alarm response
- Level test in a real tank environment
- No need to raise the actual level in the tank
- Works in all installations and for all media
- Use for both high-level and low-level testing

### Remote in-situ Proof-test





- Full remote test can be run from control room
- Reduces need for personnel to be in the field
- Available with SIL2 certification

For more information, visit [Emerson.com/Rosemount5408](https://www.emerson.com/Rosemount5408) or contact your local Emerson Sales Representative



# Level Applications

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

Reactors, Mixers and Blenders	Solid Measurement	Aggressive, Coating or Viscous Media	Safety Applications
			
Challenging applications with varying process conditions, turbulence and high temperatures and pressures.	Unique solids algorithm enables reliable measurement on uneven surfaces with low DC such as solids.	Accurate and reliable level measurement with exotic materials available in tanks with foam, turbulence, condensation and low DC media.	Protection even in turbulent or harsh process conditions and those with rapid level changes. Unique proof testing functionality.

Specifications	
Communication Protocol	Loop-powered 4-20 mA 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 4-20 mA HART: 12-42.4 V dc (12-30V dc in Intrinsically Safe installations)
Hazardous Area Approvals	ATEX, IECEx, FM, CSA
Safety Instrumented Systems	IEC 61508 certified to SIL2
Approvals and Certificates	3-A, CRN, WHG, etc.
Antennas	Cone, process seal, parabolic

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00807-1200-4408 Rev AA

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