

Proof-Testing Solutions for Safety Instrumented Systems in Process Applications

Save time and money with simple, **easy-to-use** proof-testing solutions that provide **longer time** between proof-tests, and **reduced downtime**.



Easy, proven proof-testing

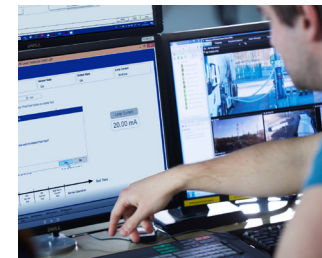
- Carry out proof-testing efficiently with minimal process interruption, avoiding the need to climb tanks
- No need to take the process offline
 - Perform proof-tests more easily
- Test multiple devices simultaneously
- Easy to install proven proof-testing
- Third party assessed and approved

Engineered for ease-of-use

- Increase safety through proven digital transformation using the latest technology
- Advanced diagnostics alert you to any abnormal conditions, allowing for increased uptime and process safety
- Simple verification

Increased speed and efficiency

- Save time and cost
 - Proof-testing is easy and safe to accomplish without requiring removal of the unit, disconnection of wiring, or changes in level
- Longer times between proof-test intervals means reduced downtime

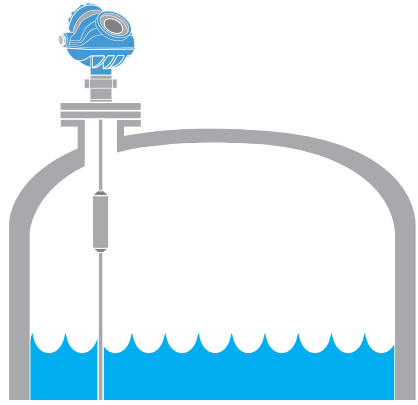
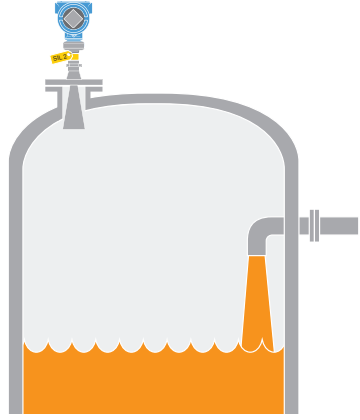
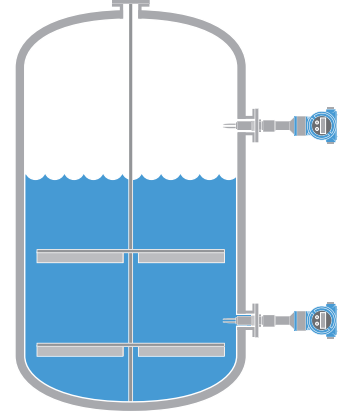


Key Benefits

- + Meet your efficiency and safety goals by proof-testing your instrumentation from the safety of the control room
- + Reduce the number of technicians in the field
- + Increase speed and safety
- + Comply with legislation

Learn more

- + [Proof-testing how to videos](#)
- + [Proof-testing web](#)

	Guided Wave Radar	Non-Contacting Radar	Point Level Detectors
			
Process Challenges and solutions	<ul style="list-style-type: none"> • Remote comprehensive proof-testing through 'high-level supervision' utilizing a reference reflector <ul style="list-style-type: none"> - Quick and safe remote transmitter integrity checks - Verifies the transmitter in situ and remotely from the safety of the control room - No need to climb the tank or manually raise product level • Continuous supervision <ul style="list-style-type: none"> - Alerts if any issues are identified with transmitter health - Ensures safe operation between tests • SIL 2 certified 	<ul style="list-style-type: none"> • Very low number of dangerous undetected failures (DUs) results in longer intervals between proof-tests • Built-in response time calculator • Built-in test port for easy analog output verification • Excellent signal-to-noise-ratio with FMCW technology • Advanced diagnostics • SIL 2 certified 	<ul style="list-style-type: none"> • Remote proof-testing integrated into the switch enables an operator to issue a command from the control room • No need to uninstall the device • Operators can verify device integrity in between proof-tests with advanced diagnostics • By performing a remote partial proof-test, operators can confirm their switch is functional without shutting down the process • Complete maintenance procedures in minutes • SIL 2 certified

	Rosemount 5300 Guided Wave Radar Level Transmitter	Rosemount 5408:SIS Non-Contacting Radar Level Transmitter	Rosemount 2140:SIS Vibrating Fork Level Detector
Specifications	<ul style="list-style-type: none"> Communication protocol Loop-powered 4-20 mA/HART® Pressure rating 580 psi (40 bar) Temperature rating -40 to +302 °F (-40 to +150 °C) Power supply 12-42.4 Vdc (12-30 Vdc in IS installations) Hazardous area approval ATEX, IECEx, FM, CSA, Overfill protection (DIBt/TÜV WHG) Accuracy ± 0.1 in. (3 mm) (application dependent) Max. measuring range Max. 164 ft. (50 m) 	<ul style="list-style-type: none"> Communication protocol Loop-powered 4-20mA HART Pressure rating 1450 psi (100 bar) Temperature rating -76 to +482 °F (-60 to +250 °C) Power supply 12-42.4 Vdc (12-30 Vdc in IS installations) Hazardous area approval ATEX, IECEx, FM, CSA, Overfill protection (DIBt/TÜV WHG) Accuracy 0.08 in. (2 mm) (application dependent) Max. measuring range Max. 82 ft. (25 m) 	<ul style="list-style-type: none"> Communication protocol Loop-powered 4-20mA HART Pressure rating 1450 psig at 122 °F (100 barg at 50 °C) Temperature rating -40 to 302 °F (-40 to 150 °C) Power supply 12-42.4 Vdc (12-30 Vdc in IS installations) Hazardous area approval ATEX, IECEx, CSA, Overfill protection (DIBt/TÜV WHG)

Emerson Automation Solutions
6021 Innovation Boulevard
Shakopee, MN 55379 USA
T (U.S.) +1 800 999 9307
T (International) +1 952 906 8888

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