

Solve your chemical challenges with proven solutions from Emerson

Advanced level measurement technologies for a step change in plant efficiency and safety

When you have blenders and reactors with turbulence, obstructions, foam and condensation, you depend on reliable level measurement. It's the nature of the chemical plant.

That is why we developed our new generation of Rosemount™ level devices. Designed to make your life easier and your process more efficient, they are easy to use, easy to install, and provide intuitive diagnostics that help you save time and money.

CHALLENGE *Unplanned downtime due to asset reliability impacts plant safety as well as availability, with as much as five percent of production capacity lost each year due to unplanned shutdowns.*

ARC Advisory Group, March 2011

Reactor vessels

Safe, reliable measurement of corrosive media under changing conditions

Rosemount 5408 with process seal antenna

Pump / Lube oil reservoirs

Efficient pump control and run dry protection for reliable 24/7 operation

Rosemount 2160

Lime silos

Easy to use reliable solids measurement, without risk of clogging

Rosemount 5408 with parabolic antenna

Blending tanks

Achieve greater product consistency and reduce waste

Rosemount 5408

Storage tanks

Reduce risk, protect plant and personnel with safe, easy to install overfill prevention

Rosemount 2140 / 2140:SIS
Rosemount 5408 / 5408:SIS

Boilers / Steam raising

Optimize boiler efficiency and increase heat rate

Rosemount 5300 with DVC probe

CHALLENGE *Next to stability and accuracy, an independent survey showed that ease of use is the utmost important factors when automation professionals make field instrument choices*

Control's Field Instrument & Networks Market Intelligence Report, March 2016

CHALLENGE *In the process manufacturing industries, most plants typically operate at about 20 percent below full operational capacity.*

ARC Advisory Group of Boston, 2015





CHALLENGE *Fewer than 40 percent of projects meet Operational Certainty expectations*

Driving Business Performance: Project Management Survey 2017, KPMG, 2017



Our offering

Emerson™ supplies both point level detection and continuous level measurement products with a wide range of wetted materials and coatings suitable for many chemical process types.

Rosemount 5408 - Non-Contacting Radar	Rosemount 2140 - Vibrating Fork Detector	Rosemount 5300 - Guided Wave Radar	Rosemount 2160 - Wireless Vibrating Fork Detector
 <p>FMCW non contacting technology with 30x improved signal-to-noise ratio for robust and reliable measurement.</p> <ul style="list-style-type: none"> Engineered for ease of use with intuitive setup and operation Plan preventative maintenance, early alerts for abnormal conditions Data Historian enables analysis with seven days of stored data and actionable alerts 	 <p>Next generation point level measurement and overflow prevention with smart diagnostics and remote functionality.</p> <ul style="list-style-type: none"> Superior reliability reduces risk Keep personnel safe with fully integrated remote partial proof-testing Safety certified model for functional safety applications 	 <p>Superior performance in challenging process conditions.</p> <ul style="list-style-type: none"> Up to 50 percent greater accuracy in saturated steam applications with Dynamic Vapor Compensation Avoid downtime and process interruptions with Direct Switch technology and Probe End Projection Quickly and safely test integrity with Verification Reflector for remote proof-testing 	 <p>Add new measurement points in minutes with the world's only wireless level switch.</p> <ul style="list-style-type: none"> Save up to 90 percent on installation costs Scalable solution: easy-to-add new measurement points as your plant grows Level data and diagnostics collection from central location Up to 10 years battery life

Let's get chemical. Learn more: [Emerson.com/Rosemount-Level](https://www.emerson.com/Rosemount-Level)

Emerson Automation Solutions
8200 Market Boulevard
Chanhassen, MN 55317 USA
T (U.S.) 1-800-999-9307
T (International) (952) 906 8888
F (952) 906 8889



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