

# Reliable Level Measurements - Distillation and Fractionation

Chemical, Petrochemical, Refining, Oil and Gas



## Accurate and Intuitive

Reliable level measurement is crucial for highest possible product throughput for cost-effective and sustainable operations of the plant. Reduce time spent in hazardous environments with remote accessibility and best-in-class safety offerings.

Rosemount™ Process Level instrumentation provides safe and accurate measurements in the most extreme environments, handling changing product properties and build-up, and certified for safety instrumented systems. Suitable for retrofitting into existing chambers, capable of measuring the full chamber height.

## Safer

*No climbing tanks, less time in hazardous environments and no unplanned stops*

- 3rd party certified for Safety Instrumented Systems (SIS)
- Remote proof-testing
- Remote process insights

## Smarter

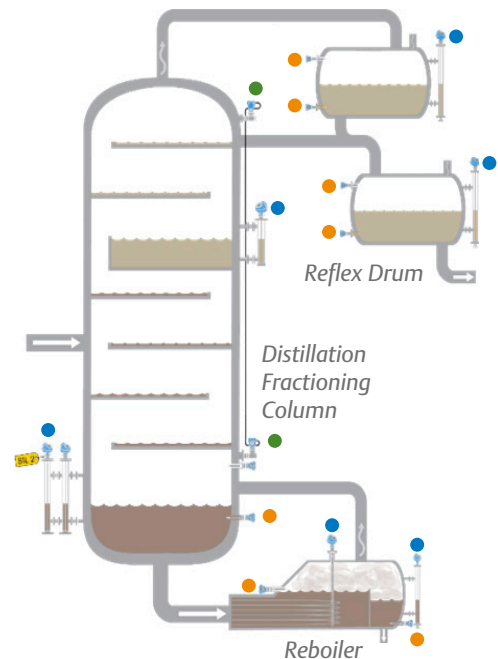
*Reliable, robust and proven technologies*

- Maintenance free solution with no moving parts
- Virtually unaffected by process changes (e.g. density, viscosity)
- Intuitive and proactive diagnostics

## More Sustainable

*Maximized yield with increased energy efficiency*

- Greater plant utilization
- Improved product quality
- Less reflux



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



**Rosemount 5300 Level transmitter - Guided Wave Radar**



**Superior Performance**

- Detect emerging build-up with preventive alerts and continuous health monitoring through *Signal Quality Metrics*
- Reliable measurements on weak surface signals such as boiling hydrocarbons with *Probe End Projection* and patented *Direct Switch Technology* providing the strongest signal
- Easy to retrofit transmitters into existing chambers

**Accessory: Chambers**

- Rosemount CMB / Magtech designed chambers for your applications

**Rosemount 2130 Level switch - Vibrating Fork**



**Robust Plug n' Play**

- Measures point level in the most extreme environments with *Continuous Health Monitoring* to self-check the condition of the fork and sensor.
- Accurate measurements with a *consistent switching point* and *'fast drip' fork* design for quicker response time

**Rosemount 2140 Level detector - Vibrating Fork**



**Smart & Data Driven with HART**

- Reliable measurements with all of the Rosemount 2130's benefits
- Save time with safe remote proof testing
- Protect pumps from sand with unique *Sediment Detection* feature
- Maximize production by proactively monitoring device health to detect emerging build-up, with *Frequency Profiling*, and *Process Alerts*

**Rosemount 3051S Pressure Transmitter - Electronic Remote Sensor (ERS) System**

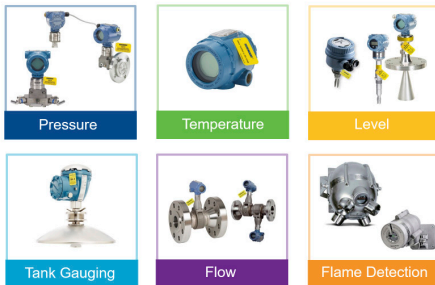


**Digital Upgrade to Proven Technology**

- Detect imminent jet flooding and measure columns full load with remote process insights and predictive alerts
- Stable in excessive temperature variations with no need for heat tracing insulation and other complicated practices

**Emerson has Your Solution for all Applications**

**Other Solutions**



**Service**



Support production and suppliers all over the world

- 40+ years of experience in level measurements

**One Emerson**



One supplier for all applications

- Reduced commissioning time
- Reduced complexity

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**Consider It Solved.**

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