

# Reliable Level Measurements - Separators

Chemical, Petrochemical, Refining, Oil and Gas



## Accurate and Intuitive

Reliable level measurement is crucial for highest possible product separation, for increased production and sustainable operations of the plant. Reduce time spent in hazardous environments with remote accessibility and best-in-class predictive maintenance.

Rosemount™ Process Level instrumentation provides safe and accurate measurements in the most extreme environments, handling changing product properties and build-up, with best-in-class interface measurements down to 1". 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*

- Remote process insight
- Remote proof-testing
- Intuitive and proactive diagnostics
- Optimized separation

## Smarter

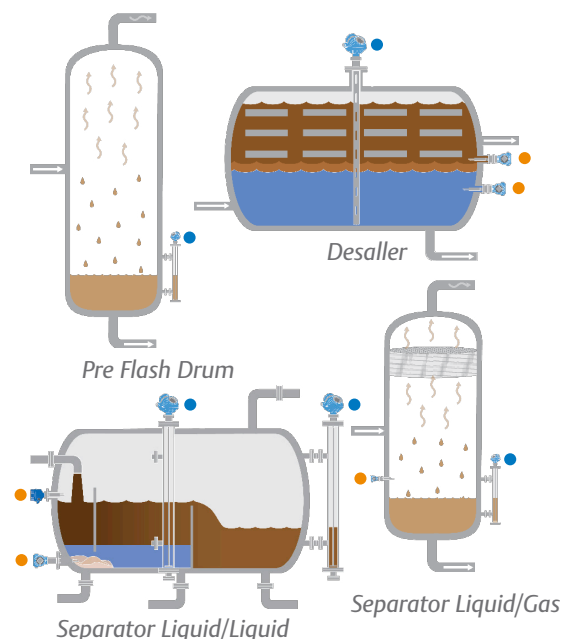
*Reliable, robust and proven technologies*

- Maintenance free solution with no moving parts
- Virtually unaffected by process changes (e.g. density, viscosity)
- Sediment Detection
- Reliable in flashing media

## 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
- Best separation detection, down to 1" interface layers with large coaxial probe
- 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 and remote process insights
- 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**

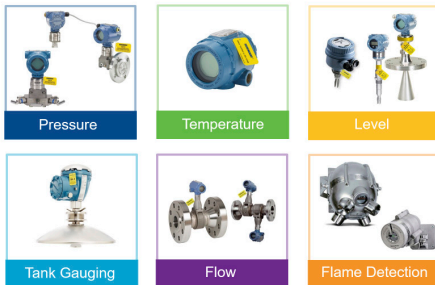


**Digital Upgrade to Proven Technology**

- 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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