

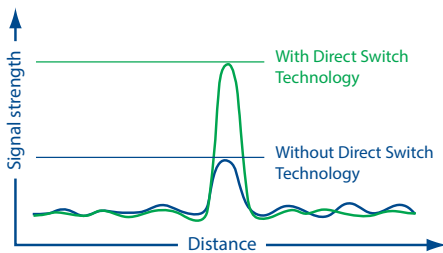
Rosemount 5300 Level Transmitter

The World Leader in Guided Wave Radar

The world's **most trusted** Guided Wave Radar level transmitter, the **Rosemount™ 5300**. Experience **lower costs** and higher revenue with the **most reliable** GWR on the market.

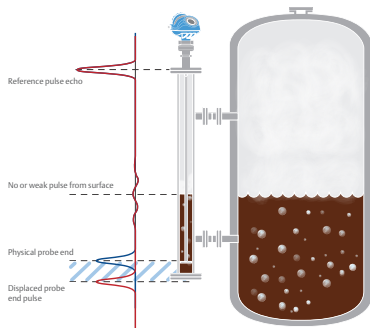


Providing a New Level of Control and Safety



- Enhanced signal strength for more reliable and robust measurements with Direct Switch Technology
- Increase safety and reliability by remotely testing transmitter integrity without interfering with the process
- Track errors in the process: high sensitivity enables detection of interfaces
- SIL 2 certified according to IEC 61508

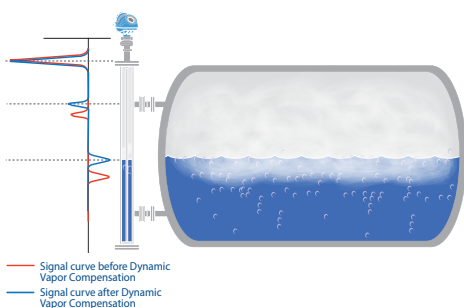
Reliable and Robust When Conditions get Tough



- Strong signal in applications with low DC, long ranges and when process conditions weaken the surface reflection
- Low maintenance with no moving parts to freeze or stick
- Robust design, superior diagnostic capabilities and easy to use software

Probe end projection allows the Rosemount 5300 to calculate the level with the true probe end and media DC

Reducing Downtime and Maintenance



- Reduce errors in level readings in saturated steam applications with dynamic vapor compensation
- Detect problems such as probe build-up or corrosion
- Minimize accuracy errors associated with varying pressure and/or temperatures

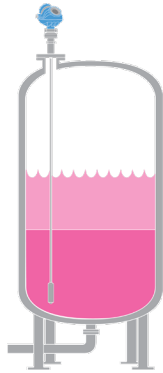
“Sixty two percent of the work performed by staff is non-value add. Things such as **manual data logging**, operator rounds, checking devices that are perfectly fine, and **wasting many precious hours** in the process.”

ISG Chemical group.



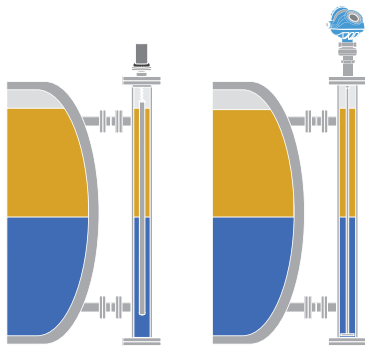
Guided Wave Radar Applications

Interface and liquefied gases



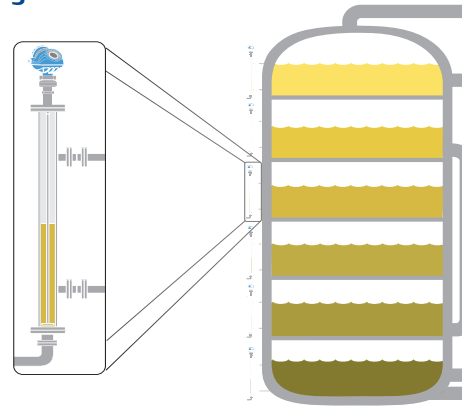
Measure the level and interface level in separators, settling and condensate tanks. Good choice for liquefied gases such as LNG, LPG, and anhydrous ammonia.

Technology replacement



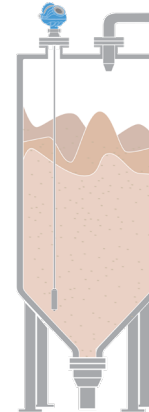
Install guided wave radar in existing chambers as a reliable, low-maintenance alternative to old equipment. Immune to density changes.

Demanding environments



Manage low reflectivity, extreme temperatures and pressures, heavy product coatings, and saturated steam. The reliable alternative for distillation columns, feed-water tanks, and liquefied gases.

Solids measurement



Measure solids with ranges up to 160 ft/50m - for powders and granules, silicon, plastic pellets, cement, fly ash, corn, and more.

Specification

| | |
|---|---|
| Output | Loop-powered 4-20mA HART®, Modbus®, FOUNDATION® Fieldbus |
| Temp/Pressure rating | -320 to 752 °F (-196 to 400 °C) / Full vacuum to 5000 psig (345 bar) |
| Configuration | Customized PC setup and support software, AMS Suite / Field Communicator (e.g. Emerson™ 375/475) |
| Process connections | Threaded, flanged, Tri-Clamp® |
| Probe materials | Stainless steel or PTFE covered, Duplex 2205, Alloy C-276, Alloy 400 |
| Diagnostics | Enhanced diagnostic capabilities |
| Challenging applications with single lead probe | Level and interface, coating products, disturbing electromagnetic interference, turbulent hydrocarbons, saturated steam, solids |
| Hazardous area approvals | ATEX, IECEx, CSA, Overfill protection (DIBt/TÜV WHG) |
| Safety Instrumented Systems | IEC 61508 certified to SIL 2 |

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