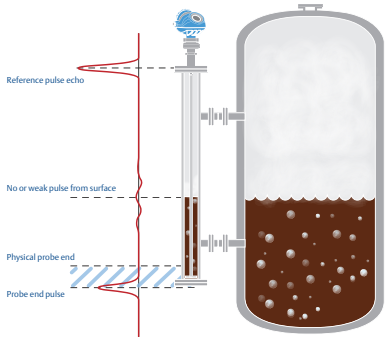
Rosemount™ 5300 Level Transmitter
World Leading Guided Wave Radar

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



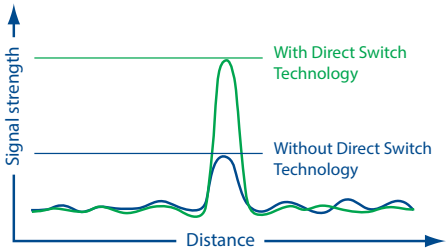


Reliable and Robust When Conditions get Tough



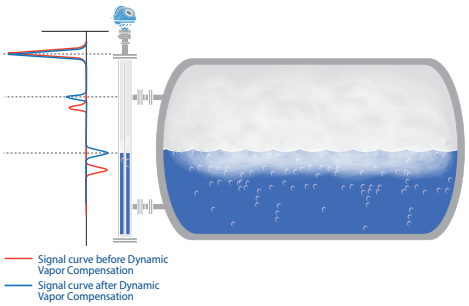
- Stronger signal for more reliable and robust measurements, even in the most challenging applications
- Perfect for applications with low DC, long ranges and when process conditions weaken the surface reflection
- Low maintenance with no moving parts to freeze or stick

Providing a New Level of Control and Safety



- Get a signal that is 2 to 5 times stronger than traditional technology with Direct Switch Technology
- Increase safety and reliability by remotely testing transmitter integrity without interfering with the process
- Track errors in the process: detect thinner interfaces

Reducing Downtime and Maintenance



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

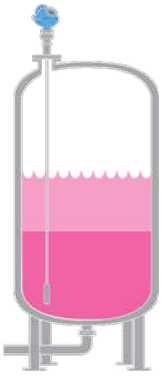
"62% of the work performed by staff is non-value add. Things such as ***manual data logging****, operator rounds, checking devices that are perfectly fine and* ***wasting many precious hours*** *in the process."*

ISG Chemical group.

EMERSON™

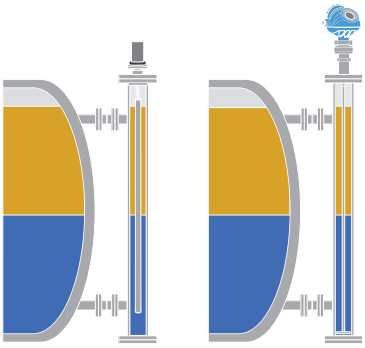
Guided Wave Radar Applications

Interface and liquefied gases



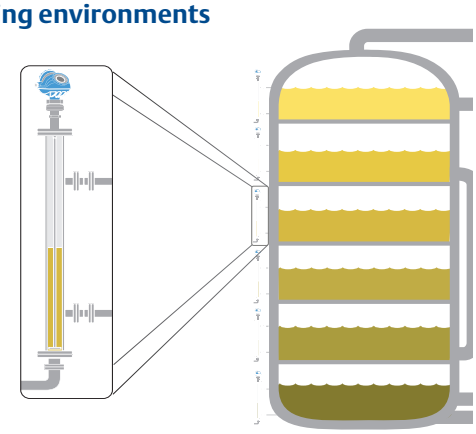
Measure the level and interface level in separators, settling and condensate tanks. Good choice for liquefied gases such as LNG, LPG and anhydrous ammonia.

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. 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

Standard Terms and Conditions of Sale can be found at: www.Emerson.com/en-us/Terms-of-Use
The Emerson logo is a trademark and service mark of Emerson Electric Co. © 2018 Emerson. All rights reserved.

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

Emerson.com
Facebook.com/Rosemount
LinkedIn.com/company/Emerson-Automation-Solutions
Twitter.com/Rosemount_News

xxxxxxxxxx

EMERSON™