

Interface Level

Rosemount™ 5300 Series

Wave Radar Benefits

- Measurement Principle

Low power, Nano-second microwave pulses are guided down a probe submerged in the process media. When a microwave pulse reaches a medium with a different dielectric constant, part of the energy is reflected back to the transmitter.

- Technology Benefits

Highly accurate and reliable direct level measurement with no compensation needed for changing process conditions (such as density, conductivity, viscosity, pH, temperature, and pressure)

No moving parts and no re-calibration result in minimized maintenance

Handles vapor, dust, turbulence, and foam well

Suitable for small tanks, difficult tank geometry, internal obstacles, and unaffected by the mechanical design of chambers

Top down installation minimizes risk for leakages

Special Rosemount 5300 Features

- Best Performance and Uptime

Unique Direct Switch Technology and Probe End Projection improve capability and reliability particularly in challenging applications

Single lead probe for long measuring ranges, obstructions and low dielectrics ensures reliability in more applications, such as viscous media

Smart Galvanic Interface results in a more stable microwave and EMI performance with minimized effects from outside disturbances

- Robust Design and Increased Safety

Heavy-duty unique hardware for extreme temperature and pressures with multiple layers of protection

EchoLogics and smart software functions provide enhanced ability to keep track of the surface and detect a full vessel situation

Third party approved for overfill prevention and Safety Integrated System SIL3 suitability

Electronics and cable connections in separate compartments provides safer handling and improved moisture protection

Online device verification and reliable detection of high level conditions with the verification Reflector

- Easy Installation and Plant Integration

Easy upgrade by matching existing tank connections and cut-to-fit probes

Long lengths of rigid probes for robust measurements become cost-effective and practical to ship, store and install with the segmented probe option (code 4S)

Multivariable device reduces the number of process penetrations

- Minimized Maintenance Reduces Cost

Easy online troubleshooting with user friendly software, utilizing powerful echo curve and logging tools

Signal Quality Metrics diagnostics detect product build-up on probe to monitor turbulence, boiling, foam, and emulsions

Ordering Information

Contact your SitePro sales associate at **1-806-687-5326**

For more detailed information please see attachments under the product on the website.