

Rosemount 2160 Vibrating Fork Level Detector

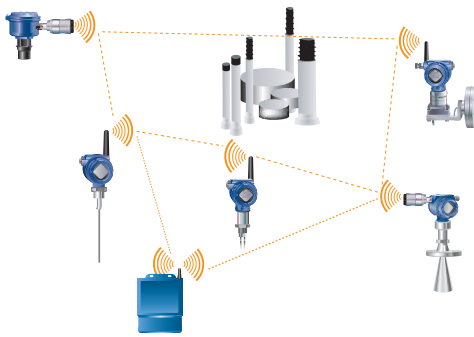
Wireless communication, taking level alarms to new heights

1st

The world's
WirelessHART® Vibrating
Fork Level Detector, the
Rosemount™ 2160, enables
level detection in locations
previously inaccessible or
too costly to automate.



Reduce installation time from hours to minutes



- Avoid the complication and cost of wiring
- New alarm points can be quickly and cost effectively installed on remote tanks with no existing cable infrastructure
- Savings of up to 90 percent on installation costs while enabling data collection at central locations
- Scalable technology: easy to add new measurement points as your plant expands

Reach difficult to access areas



- Reduce infrastructure investments with no trenches to dig or wires to install
- Increase safety, reduce risk and meet safety regulations across the entire plant
- Keep personnel away from hazardous locations with remote configuration, data collection, and troubleshooting
- Long battery life minimizes maintenance: 10 years at a one-minute update rate
- Quick and easy configuration

Access more data with advanced diagnostics



- Diagnostic data can be viewed locally or transmitted wirelessly
- Get more device insight than ever before with HART® functionality
- Update rate as fast as one second, suitable for both monitoring and control applications



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Research indicates that nearly
80 percent of production
downtime is preventable.”

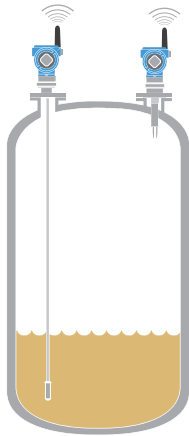
**Ian Nimmo, Founder of the
Abnormal Situation Management
Consortium**



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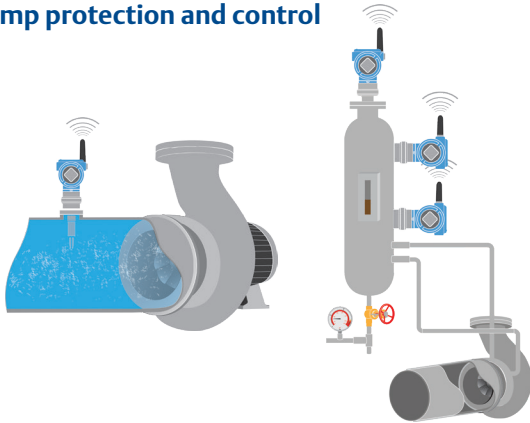
Level Detection Applications

Overfill prevention and high level alarm



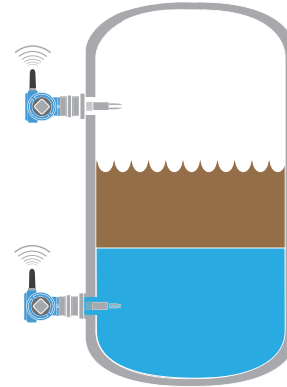
Prevent tank overfills and spills by installing Rosemount 2160 as primary high level alarm, or as a secondary back up to existing instrumentation.

Pump protection and control



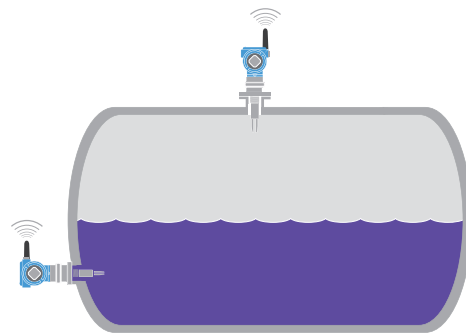
Protect valuable plant equipment without the need to visit the pump. Rosemount 2160s can monitor seal fluids and help prevent pumps from running dry when installed as a low level alarm.

Point level detection



Detect maximum and minimum tank levels and alerts to emerging issues such as coating or corrosion before they become a problem, with access to multiple HART variables.

Level monitoring



Extend the capability to automate vessels in hard to reach locations with the Rosemount 2160 which incorporates reliable and scalable *WirelessHART* technology.

Specification

Output	Loop-powered 4-20mA HART (configurable)
Communication update rate	User configurable 1 sec.....60min.
Pressure rating	Full vacuum to 1450 psi (Full vacuum to 100 bar)
Temperature rating	-94 to 500 °F (-70 to 260 °C)
Process connections	Threaded, flanged, Tri Clamp®
Wetted materials	316L stainless steel, Corrosion-resistant nickel alloy C-276, ECTFE / PFA coating
Extended fork lengths	Up to 157.5 in. (4,000 mm)
Housing	Low copper aluminium, Stainless steel
Hazardous area approvals	ATEX, IECEx, CSA, Overfill protection (DIBt/TÜV WHG)

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