POINT LEVEL MEASUREMENT

Reliable Point Level Measurement. Even in the Toughest Process Conditions.

THE MEASUREMENT SOLUTION

Ronan's non-contact radiometric point level measurement systems reliably detect the presence or absence of material at defined points in tanks, hoppers, chutes and process pipes—even when heat, pressure, abrasion, corrosion or material buildup make conventional switches unreliable.

HOW IT WORKS

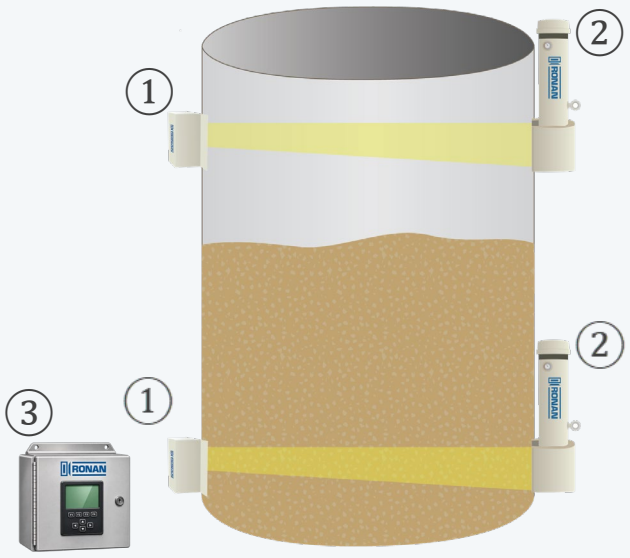
Ronan's point level measurement system uses three coordinated components to detect material at a defined elevation without direct process contact.

1. Source Holder
Directs a controlled beam of gamma energy across the vessel at the required high-, low- or control-level point.

2. Detector
Senses changes in radiation intensity as material enters or leaves the measurement path.

3. Microprocessor / Transmitter
The X90 microprocessor converts the detector signal into an on/off output for alarms, interlocks or process control.

Point Level Measurement



KEY BENEFITS

Reliable in Extreme Conditions
External components avoid direct exposure to harsh process materials and conditions.

Reduced Maintenance
No intrusive probes or moving switches to foul, corrode or wear inside the process.

Dependable Process Control
Reliable detection for high/low alarms, plugged chutes and critical control points.

Easily Upgrade Existing Systems
Modular design enables upgrades while retaining existing sources when suitable.

POINT LEVEL MEASUREMENT

BUILT AROUND YOUR PROCESS

Configured around required sensing elevations, vessel geometry, material characteristics, operating conditions and control requirements.

ELECTRONICS FEATURES & CAPABILITIES

- Dependable point detection with the X90 Point Level Monitor
- Direct alarm and control activation with on/off outputs for alarms and interlocks
- Flexible installation with integral or remote electronics mounting
- Cost-effective upgrades through modular electronics compatible with existing sources

INDUSTRIES & APPLICATIONS

INDUSTRIES

- Chemical Processing
- Refining, Oil and Gas
- Cement
- Mining and Aggregates
- Coal Handling and Power

APPLICATIONS

- High- and low-level alarms in bins and hoppers
- Plugged-chute detection
- Point-level detection in tanks and vessels
- Material detection in process pipes
- Fly ash, powders and bulk solids
- Difficult liquids and process materials

ENGINEERED FOR YOUR PROCESS

No two applications are identical. Ronan engineers evaluate vessel dimensions, wall thickness, internal obstructions, material properties and operating conditions to configure a measurement system for your specific needs.

From initial application review through commissioning, startup and ongoing support, Ronan works with your team to deliver a dependable measurement solution.

EXPLORE THE COMPLETE SOLUTION

◄ Scan for applications, technical resources and to contact a Ronan engineer.

ronan.com/measurement-systems/point-level-measurement/