

Plugged Chute Detection for Granular Materials

THE PROBLEM

- Detecting plugs in granular material conveying chutes is difficult due to the heavy, abrasive materials and dusty, coating nature of the environment.
- Regulatory requirements and source disposal problems make nuclear gauges an unappealing choice.
- Insertion type sensors are quickly damaged by falling material.
- Microwave sensors require two mounting windows.
- Vibration of chute walls can damage electrical components.



THE SOLUTION

- The Intellipoint™ RF Admittance Plugged Chute Detector reliably indicates when the chute has plugged reducing downtime and material spill over.
- The Intellipoint Plugged Chute Detector requires no maintenance. There are no moving parts to wear or jam.
- The Cote shield™ circuitry ignores even heavy coatings.
- There are no regulatory requirements.
- The flush mounted sensing element does not interfere with material flow
- Sensors are robust, industrial designed.
- Electronics can be mounted remotely to eliminate vibration concerns.
- The Intellipoint Mean Time To Failure (MTTF) has been calculated to more than 110 years*.

*Intellipoint loop powered model as tested by Exida.com

Other Solutions:

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|------------------------|-----------------------|---------------------|
| • High Level Alarm | • Material Silo Level | • Low Level Alarm |
| • Empty Belt Detection | • Rail Car Loading | • Open Channel Flow |

Typical Uses:

- | | | |
|----------------------------|-----------------------|-------------------------|
| • Continuous Level Control | • Point Level Control | • Waste Management |
| • Inventory Management | • Overfill Protection | • Regulatory Compliance |

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