

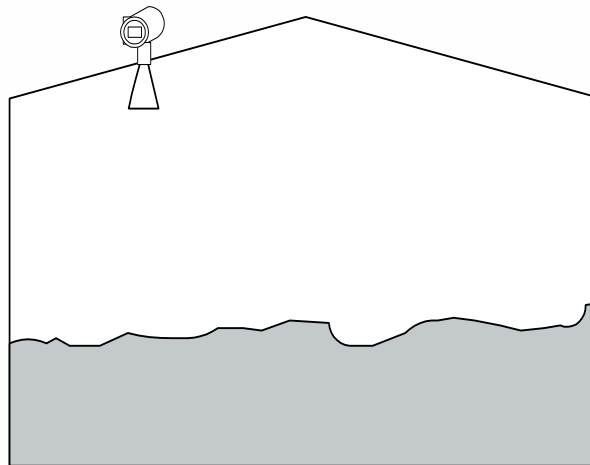
Continuous Level Measurement of Cement

The Application

Continuous measurement of cement powder in storage silos.

The Problem

Cement silos are a difficult level measurement. The height of the silos, often 100 or more feet, precludes many technologies. The dusty, dirty environment during filling makes ultrasonic measurement unreliable and mechanical devices, such as plumb bobs, maintenance intensive. In many cases, the silos are still manually sounded. An accurate measurement is needed to ensure that enough product is available for production or that there is enough room in the silo to accept an incoming delivery.



Cement Level In Silo

The Solution

AMETEK Drexelbrook installed a DR7000 continuous level Radar. The DR7000 provides continuous level measurement regardless of dust, moisture content, or angle of repose of the granular product even during filling! The system eliminates the need for costly, and potentially unsafe, manual readings – especially in inclement weather conditions such as ice, rain, high winds, or snow.

Benefits

- Saves money, automated measurement.
- Process and inventory management are more efficient.
- No routine maintenance required.
- No moving parts to wear out or hang up.
- Safety – no more climbing silos for manual sounding under adverse weather conditions

*Consult factory for higher temperature or pressure.

Other Solutions:

- | | | |
|---|-------------------|---------------------------------------|
| • Limestone Silo's | • Cement Silo's | • Clay, Shale & Sand Silo's |
| • Plug Chute for Elevators | • Dust Collectors | • Gypsum Storage |
| • Coal Storage | • Fuel Oil | • High Level Alarm Grinders & Hoppers |
| • High Level Alarm on Powders (Air separators, Hoppers, Bins) | | |

Typical Uses:

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

U.S.A. Sales: 800-553-9092 • 24-Hour Service: 800-527-6297 • International Support: 215-674-1234 • Fax: 215-674-2731

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