TECHNICAL DATASHEETS

B.5 - AGI EMEA LEVEL SENSORS & RADARS

AGI EMEA can offer as an accessory, smart level sensor systems designed to handle every kind of conditions.
Suitable for maximum and minimum level product detection, they can be installed in both flat bottom silos and hopper silos. It is an essential product to avoid silo overflowing or discharging below required level.

1. Capacitance Level Sensor

The "Capacitance level sensor" is provided with a mechanical bracket, installed close to the silo's eave (for the HIGH level sensor) and in the area above the sweep auger (for the LOW level sensor).

MAIN FEATURES

- Cost effective
- Low maintenance
- Easy to install
- Suitable for all silos and a wide range of cereals.
- Sensing range 15 mm ± 10 %

— Photo of capacitance level sensor

2. Rotary Sensor Level

"Rotary Sensor level" is designed to detect high, middle and low levels of a wide range of cereals inside both flat bottom silos and hopper silos.
The detection of material is achieved through a rotating paddle. When the products interrupt the rotation of the paddle, the sensor sends an alarm of critical level, in order to stop the loading. Once the level of product is normal, the motor returns to its initial position.

MAIN FEATURES

- Cost effective
- Reliable level point detection and measurement
- Suitable for all silos and any kind of solids

— Photo of rotary sensor level

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3. Radar level sensor

The radar level sensor is a continuous and non-contact measurement for powdery and granular bulk products inside the silo. It is installed on the roof silo using a mechanical steel bracket supplied with the sensor.

— Photo of radar level sensor

MAIN FEATURES

- Maximum measuring range: 70 m (230 ft)
- Process temperature: –40 to +400 °C (–40 to 752 °F)
- Process pressure: –1 to +16 bar (–14.5 to +232 psi)
- Accuracy: ± 3 mm
- International explosion protection certificates
- Linearity protocol (3-point, 5-point)
- Easy maintenance

— Photo of radar level sensor

— Photo of radar level sensor