

Feed Level Sensor (FLS)

Automatic feed bin level monitoring using ultrasonic technology

The Feed Level Sensor (FLS) works with OMNI-Feed or BinBoss to measure and monitor feed levels in feed bins. The sensor emits ultrasonic pulses that are reflected by the feed. The sensor measures the time the pulses take to reflect back, determines the distance, and then sends the information to the software.

The Feed Level Sensor hardware consists of the control unit, the sensor unit, and the mounting hardware. The FLS can be mounted on new or existing feed bins up to 30 feet high and is compatible with auger or pneumatic delivery systems.

Feed Level Sensor features

- ◆ Low-maintenance design
- ◆ Easy installation in new or existing bins
- ◆ Auger or pneumatic delivery compatibility
- ◆ Reliable, accurate ($\pm 2\%$ of full bin, typical) ultrasonic technology
- ◆ Large operating range: -22 to 104°F (-30 to 40°C)
- ◆ Rugged enclosure (corrosion resistant, water resistant, and fire retardant)
- ◆ Two-year limited warranty



Electrical ratings

- ◆ Power requirement: 10 to 14 VDC
- ◆ Current draw: 125 mA

Additional requirements and information

- ◆ The Feed Level Sensor (FLS) works with the OMNI-Feed or BinBoss software.
- ◆ The Phason Regulated Power Supply (RPS) is the required power supply. The RPS can supply power for up to eight Feed Level Sensors
- ◆ To detect a feed delivery, the Feed Level Sensor needs to be tilted (the bin lid opened) while the bin is being filled. If the site uses a feed delivery system that does not require the bin lid to be opened (such as pneumatic fill), an external fill detection switch is required. Phason has options available.
- ◆ Feed Bin Agitators are available to help reduce feed bridging and improve feed flow
- ◆ For more information about Phason products, contact your dealer or visit www.phason.ca.



An easy and effective way to reduce feed flow problems

The Feed Agitator helps solve many feed flow problems found in silo-type feed bins. The Feed Agitator improves feed flow, which greatly reduces the problem of feed bridging commonly found in high moisture content feed and finely ground feeds.

The Feed Agitator is easy to install and can be installed in new or existing feed bins. It includes all mounting hardware and does not require regular adjustments or calibration.

Features

- ◆ Easy installation in new or existing bins
- ◆ Maintenance-free design
- ◆ Durable, rugged construction
- ◆ 90-day limited warranty

Benefits

- ◆ Improved feed flow
- ◆ Reduced feed bridging

