

SPL-200

BINMASTER®

BATTERY- POWERED SENSOR

Single-Point Level
Measurement Installs
Without Wiring



Mount and power level sensors on silos without the expense of wiring. The SPL-200 sensor installs quickly through a 1.5" NPT connection. Powered by a Lithium battery, it measures solids in silos up to 98 feet tall in low or no-dust environments. It takes interval readings once per hour with a battery life of three to five years. LoRa long range communications send measurements to the BinView web application or BinInventory software for easy access from your phone, tablet, or desktop PC.

Sensors with Sensibility



1

Battery-powered simplifies installation and eliminates wiring

2

Long battery life of three to five years depending on frequency of measurement

3

1.5" NPT threaded mounting with optional fixed or adjustable mounting plates

4

Single point measurement at distances up to 98 feet



5

Easy-to-use BinView web application for data monitoring and alerts

6

LoRa transceiver for reliable long-range data communications up to one mile line-of-sight

7

Programmable time intervals for sending measurement data—every hour, every day, or something in between

8

Dust tube protects sensor from dust buildup to minimize maintenance

Features that make sense

Simplicity: No complex connections or confusing wiring diagrams. Sensor just screws into a fixed or aimed mounting plate. Battery replacement is as easy as a flashlight.

Affordable: Eliminate wiring a power supply to the sensor. The cost of an electrician and wiring components can often double the cost of sensor installation.

Versatile: Omitting wiring allows sensors to be mounted virtually anywhere – outside a plant, in large facilities, or in remote areas—using long range LoRa communications.

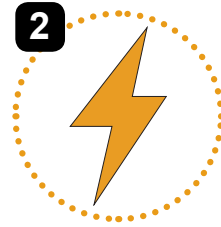
Accessible: Sensor data is sent to the BinView web application where it can be viewed on a phone, tablet, or desktop PC. Set automated high and low level alerts.

SPL-200 Simplifies Sensoring

Easy as 1, 2, 3...



1 **Install the Sensor:** Cut a 2.5" hole in the silo. Then, choose from an adjustable 0° to 40° swiveling mounting plate or a fixed mounting plate with 0°, 5°, 10°, or 30° angle.

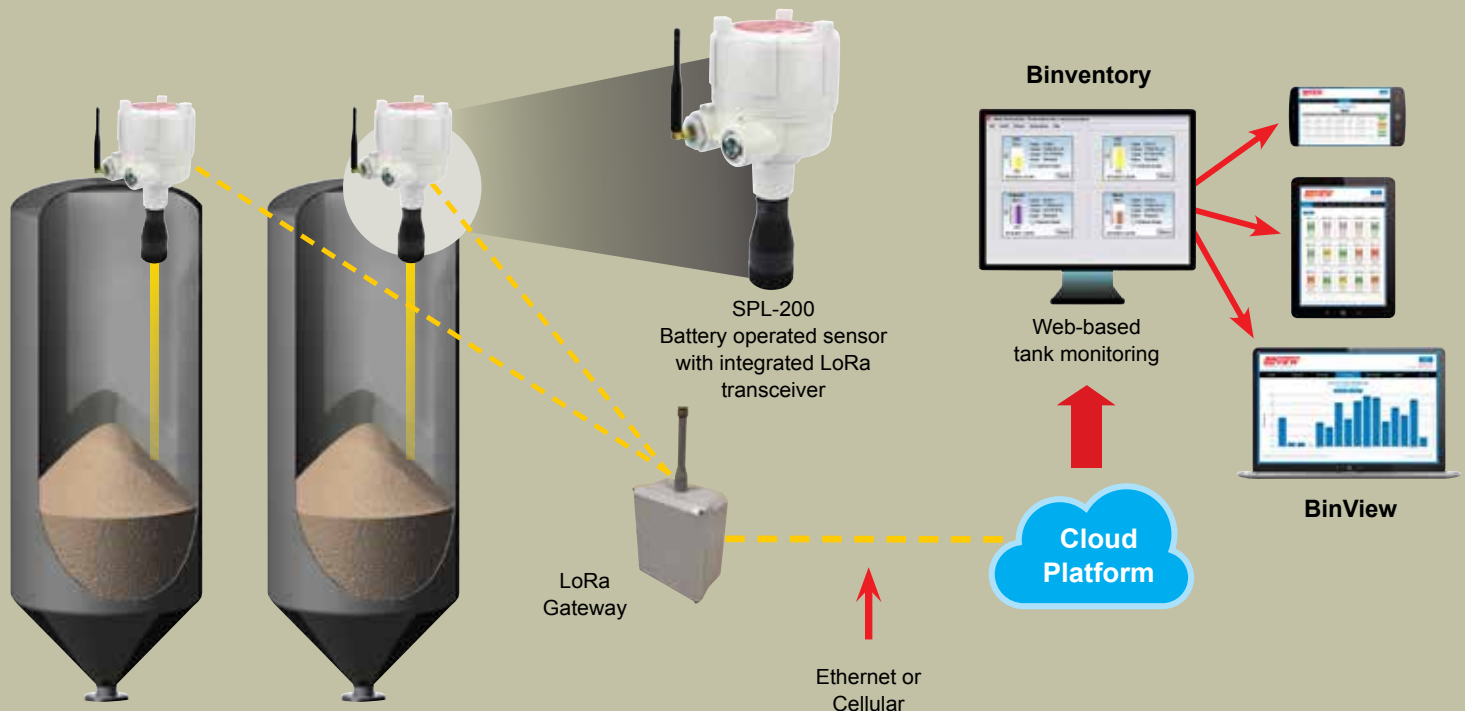


2 **Power and Aim the Sensor:** Insert the battery and aim the sensor to the desired measurement point.



3 **Connect to the Cloud:** Connect the LG-100 gateway to the internet via cellular or ethernet. You are ready to access data from BinView or BinInventory.

All set. Ready for readings!



Data Monitoring

Get remote monitoring via your phone, tablet, or PC and 24/7 monitoring from the BinView web application anywhere there's internet access. Alternately, use BinInventory software for LAN-based monitoring from a desktop PC. Both options provide accurate, reliable bin information that updates automatically after each measurement. Get automated alerts via email or SMS text message. Historical reporting optimizes ordering and logistics. Never run out again!



SPL-200

Adjustable or Fixed Mounting Options

Fixed Mount

Fixed mounting kits include a welded mounting plate and a sealing gasket. Available in fixed angles of 0°, 5°, 10°, or 30°.

Adjustable Swivel Mount

Adjustable swivel mounting plates offer the ability to alter the angle from 0° to 40° to aim the sensor to the desired location.

SPL-200 Specifications

Ambient Operating Temperature

Standard: -30°F to 149°F (-30°C to 65°C)

Ingress Protection

IP66, NEMA 4X

Mounting

1.5" NPT standard internal threaded

Measurement Frequency

Programmable typically once per hour to conserve battery

Battery Life

3 to 5 years dependent on frequency of measurement

Data Reporting

Reports energy consumption to project battery life

Environmental

Low to no-dust, non-hazardous environments

SPL-0919-BLC