



Wm. Neundorfer & Co.

Your local Binmaster distributor

Phone: (440) 350-7460
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Address: 831 Callendar Blvd.
Painesville, OH 44077



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BINMASTER

FVL-200

BATTERY-POWERED SENSOR

Single-Point Level
Measurement for Feed Bins



The battery-powered FVL-200 FeedView™ level sensor eliminates the expense of wiring and simplifies setup, addressing the installation and investment concerns of feeding operations. The FVL-200 sensor installs quickly through a 1.5" NPT connection using an adjustable swivel mount or fixed angle mounting plate. Powered by a Lithium battery, it measures livestock feed in silos up to 35 feet tall. It takes interval readings once per hour with a battery life of three to five years. LoRa long range communications send measurements to the FeedView™ web application for easy access from your phone, tablet, or desktop PC.



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Sensors with Sensibility

Battery-powered
simplifies installation
and eliminates wiring

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

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

Single point
measurement
at distances up to 35
feet



Easy-to-use FeedView™ web
application for data monitoring
and alerts

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

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

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 FeedView™ web application where it can be viewed on a phone, tablet, or desktop PC. Set automated high and low level alerts.



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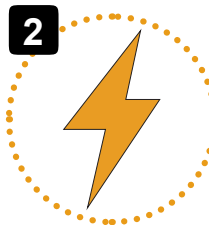
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FVL-200 Simplifies Sensing

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.

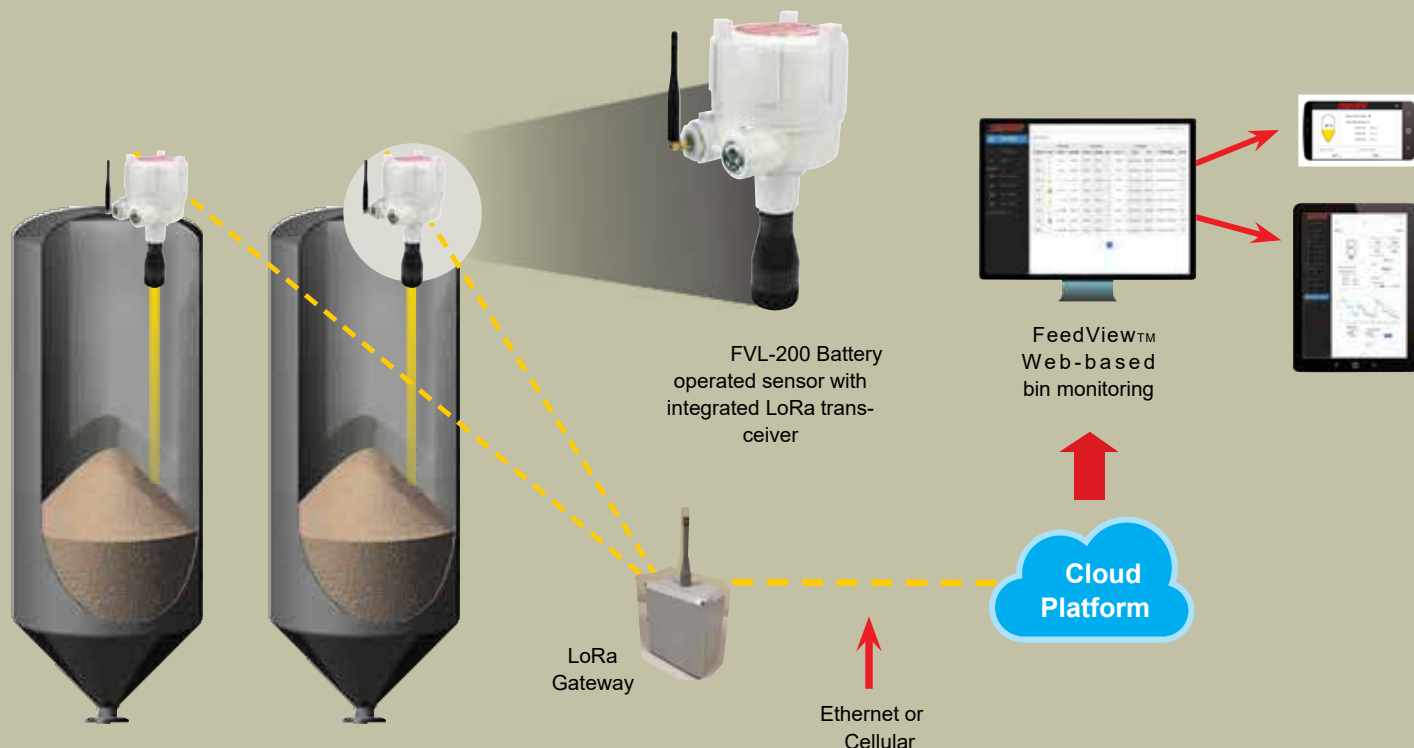


2 Power and Aim the Sensor: Insert the battery and aim the sensor to the desired measurement point.



3 Connect to the Cloud: Connect the LoRa gateway to the internet via cellular or ethernet. You are ready to access data from FeedView.™

All set. Ready for readings!





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FeedView™ Data Monitoring

Get remote monitoring via your phone, tablet, or PC and 24/7 monitoring using the FeedView™ web application. FeedView™ is a comprehensive software that automatically updates bin levels, projects feed consumption, and can help manage medicated feeds (VFD) and delivery schedules. Get 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!



FVL-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.

FVL-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

