The INSIDER

BINMASTER

Contents

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The Debate - BinView or eBob?

We often get asked which is better eBob or BinView? The answer is "whichever is better for you." Both are designed to provide easily accessible, timely, and accurate data about your inventory. However, there are differences between the two as they were designed to meet the differing needs of a variety of customers across many different industries and measure just about any material.

Some organizations prefer data to reside locally on a LAN, while others want anytime, anywhere access from the Internet. Factors that may impact which service is best for you include:

• How and where you want to access your data?
• Where do you prefer your data reside?
• Are you in a remote location with little or no cell or internet coverage?
• Do you need to monitor multiple locations and how do you want to manage them?

Both BinView and eBob offer security, control, and reliable inventory management. Here is an overview of how they are alike and different. Call or email us for a consultation about which is best for you.

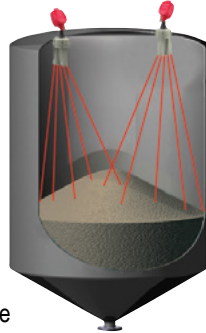| BinView	eBob 5.3
On the internet (cloud-based)	On a company's local area network (LAN)
Ability to set automated high or low level alerts	Ability to set automated high or low level alerts
Nothing to install	Program installs on a PC in your network
Use with SmartBob2 and TS1, 3D Scanners, SmartSonic, SmartWave, ultrasonic, magnetostrictive, pressure transducers, or any sensor with analog output	Use with SmartBob2 and TS1, 3D Scanners, SmartSonic, SmartWave, ultrasonic, magnetostrictive, or pressure transducers
For solid, powder, or liquid levels	For solid, powder, or liquid levels
Can monitor multiple sites	Can monitor multiple sites
Exportable reports	Exportable reports
Accessible from PC, tablet, or SmartPhone	Accessible from PC
Automated emails or text messages for alerts	Automated emails or text messages for alerts
Password protected for each user	Password protected for each user
Unlimited number of users	Viewer software required for each PC
Small monthly fee per tank or location	No monthly fee per tank or location
Requires cellular access and cell plan	Requires LAN access via PC
Program is automatically updated in the Cloud	Periodic releases must be loaded to your PC
Compatible with any browser	Compatible with Windows 7, 8, and XP
Initiate a new reading upon demand	Initiate a new reading upon demand
For linear and non-linear bins, tanks, and silos	For linear and non-linear bins, tanks, and silos
Administrator controls user access	Administrator controls user access

CRANK UP VOLUME ACCURACY IN BINS, TANKS, & SILOS

Eliminate the dangerous and time consuming task of climbing to manually measure silos with an automated level measurement system. The 3DLevelScanner measures and maps powders or solids in bins and silos across the material surface, instead of a single measurement point, to provide a very high level of inventory accuracy.

Q. WE HAVE SILOS OF MANY DIFFERENT DIAMETERS AND HEIGHTS AT OUR PLANT. HOW CAN A SCANNER SYSTEM GIVE ME MORE INVENTORY ACCURACY IN ALL OF THEM?

A. Scanners measure in a wide beam angle and take multiple measurements spanning the material surface. Most sensors only measure a single point. So, scanners take into account surface irregularities such as cone up or down and can detect buildup that might occur. Plus, scanners work reliably in extreme dust, so you're sure the measurements you get are accurate. For wide silos over 45' in diameter, it's common to install two or more scanners to ensure the entire material surface is measured to get the highest level of accuracy.

Q. WE HAVE MORE THAN TWENTY SILOS THROUGHOUT OUR PLANT. HOW CAN WE KEEP TRACK OF ALL OUR SILOS WITHOUT WALKING AROUND?

A. Every scanner comes with 3DVision software that loads onto a personal computer on your network. Anyone who is authorized as a user can log in and look at all of the information about any silo – location, contents, level, volume and any alerts that might be set up for it. If you want to look at all of your silos at once instead of opening individual silos, there's 3DMultiVision software that allows you to look at multiple silos on a single screen, sort silos by material or location, and set and view alerts for when silos reach critical levels.

AUTOMATED ALERTS!

Set critical high or low level alerts for each of your silos. Automated alarms sent to your PC ensure you don't overfill or run out of material.

INSTALLATION TIPS

Be sure that sensors are mounted below any internal structure at the top of the silo and out of the filling stream. Also check for ladders or other reinforcing that might be detected by the scanner and throw off measurements. There are mounting extensions available to ensure the scanner clears structure that might interfere with scanner performance.

Accuracy in Tough Materials

- Alumina
- Talc
- Fertilizer
- Fly Ash
- Wood Biomass
- DDGS
- Sand
- Potash
- Plastics
- Lime
- Flour
- Carbon Black
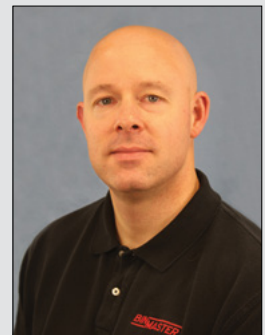
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LEARN MORE AT BINMASTER.COM

BINMASTER®

Prevent Cross Contamination of Ingredients or Materials

The Flow Detect 2000 is a flow/no flow detector for solids and powders. It prevents cross contamination by ensuring flow has stopped before introducing a new material. Its compact, single-piece design is easy to install and doesn't require a separate controller. Use it in transition points in:

- Gravity chutes
- Pipelines
- Ducts
- Feeders
- Bucket elevators
- Gravity spouts
- Gravity feeders
- Distributors
- Mechanical conveyors
- Pneumatic conveyors
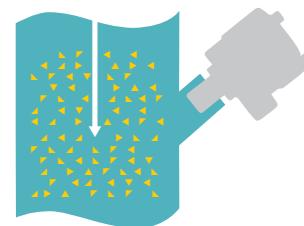
Mercury-Free Tilt Switch
Alerts to High Levels

Affordable level detection that's innovative, patent-pending and mercury-free. Mounted on top of the tank, it alerts to high levels when the switch is tilted 15 degrees.

- Used in powders and bulk solids
- Bulk density of at least 15 lb./ft.^{3}
- Custom lengths from 1 to 8 feet
- Available with a paddle or sphere
- Installs in 1-1/4" NPT process connection

Hg
0%
MERCURY FREE

Easy St →
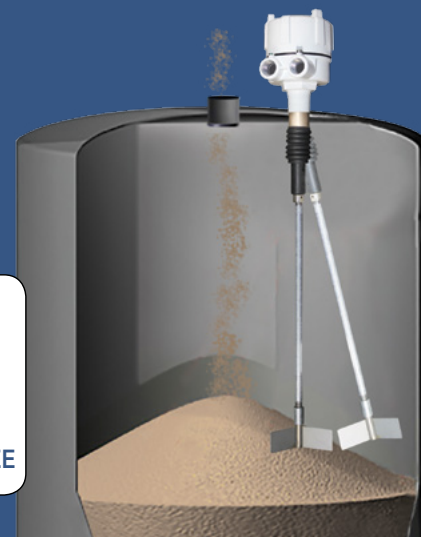
Simple, Affordable Solutions Managing Powders & Solids

Plugged Chute Detector

This pressure switch is designed to alert when a chute becomes clogged with material. It features a heavy spring and rugged diaphragm material that makes it ideal for use in chutes transporting flowing granular or pelleted materials. It offers UL Class II, Groups E, F & G explosion-proof certification and can be used in hazardous environments where there is a risk of combustible dust.

- Hazloc approval Class II
- Heavy duty spring prevents false alarms
- Neoprene with nylon mesh diaphragm material
- Internal or external mounting options
- Multiple voltages available

800-278-4241 or info@binmaster.com

Ride the Guided Wave

If you're looking for true continuous level measurement for powders, granules, solids or liquids – guided wave radar may be the solution for you. This level sensor provides far more than just high and low level indication. It can be used for process management to monitor inventory while a vessel is filling and emptying.

BinMaster's guided wave radar uses time domain reflectometry (TDR) to measure the distance to material by sending a low power microwave signal along a cable and calculating the level based upon the time of flight.

One of the benefits of guided wave radar is its accuracy of ± 0.2 inches (5 mm).

It is designed for use in materials with a dielectric constant greater than 2.1 and in vessels up to 78' tall of any diameter. It can be used in bins, tanks, and silos that have no structure to interfere with the hanging cable. The length of the cable is customized for each vessel at the factory.

It can be used in process applications because it performs reliably and is immune to factors such as dust, humidity, temperature, pressure or bulk density changes. It is also unaffected by noise that can be present during filling or emptying a vessel.

The measurement data is converted to a 4-20 mA output with HART communication and can be viewed via a graphical display on the device or an optional local display using the SAP-300 plug-in display unit. It can provide distance, level, or volume based upon the input parameters and the desired outputs. The SAP-300 plug-in display allows for the basic parameters of measurement and the output to be set. Once programmed, the LCD screen displays the desired measured values in both numerical and bar graph form.

BinMaster offers the standard GWR-1000 model for process temperatures from -22°F to 195°F (-30°C to 90°C) and the GWR-1000

HT high temperature model for temperature extremes from -22°F to 392°F (-30°C to 200°C). An 8 mm cable with a 1.5" NPT is offered for use in liquids and heavier bulk solid materials and a 4 mm cable with a 1" NPT can be used in lighter powders and bulk solids.

The head of the unit weighs only 3.3 lb. without the cable and probe. It features an IP65 enclosure and a compact design that is easy to install. The weight at the end of the cable is easily installed through a 1" or 1.5" NPT opening.
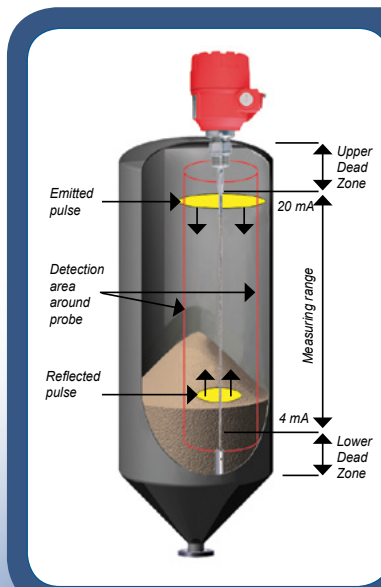
Sample markets and materials

- **Feed mills**
- **Pet food manufacturing**
- **Lime silos**
- **Power plants**
- **Corn refining**
- **Wineries**
- **Paper mills**
- **Asphalt plants**
- **Cement**
- **Food manufacturing**