

Roto-Bin-Dicator®

The Roto-Bin-Dicator® is the most universal of all level sensing technologies and is the most popular level switch used in dry bulk materials.

The Roto-Bin-Dicator® is a rotating paddle type, bulk material level sensor offered with a wide variety of paddle options for unequaled application versatility. It is easy to install and requires no special tools or calibration.

Simple Mechanical Mechanism

No calibration required.

Wide Variety of Models and Paddle Options

Works well in a wide variety of materials and applications including top mount, side mount and extended.

Special Motor Design

Allows power to be applied continually, producing heat and eliminating condensation within enclosure.

Adjustable Time Delay

0 - 30

Two Output Switches

Designed for switching devices, lights, or signal panels.

Power Status and Alarm Lights

Two lights to indicate power and alarm status.

Test In Place

Test output with magnetic fob without removing cover.

Cover with Captive Bolts

Worldwide Approvals

Approved for general purpose and hazardous locations worldwide.



Pulse Point™ II

The Pulse Point™ II is an electronic vibratory level control especially effective in lightweight powders and granular solids. Because the Pulse Point senses material using a mechanical principle, the dielectric constant of the material is irrelevant.

Universal Input Power provides flexibility in location of the unit

Adjustable Time Delay allows the user to determine time between sensing material and the alarm state. Advanced units can permit delays when it detects the presence and absence of material or a combination.

Sensitivity Settings can be selected to fit specific applications and material requirements.

To avoid false readings, the Pulse Point II features **Build-Up Detection** to detect when material is beginning to build up on the forks

Move electronics up to 100 ft (30 m) away with the **Remote Option**

Available on Advanced units only, **Liquid/Solid Interface** feature can detect solids under a liquid surface.

Standard and **Advanced** offering enables the user to choose the option that best suits the application

Frame designed to enable connection flexibility

- Imperial or Metric **conduit entry options**
- **Process fitting** can be made to fit any connection



VRF® II Series

With no moving parts and high sensitivity, the VRF® II is close to a perfect electronic level switch. VRF II technology determines the optimal frequency to maximize sensitivity based on calibration once installed in the tank. The special probe design compensates for material build-up.

Universal Input Power provides flexibility in location of the unit

The VRF II can automatically calibrate itself when the probe senses a large decrease in the impedance with **EZ-CAL® II**

Adjustable Time Delay allows the user to determine time between sensing material and the alarm state. Advanced units can permit delays when it detects the presence and absence of material or a combination.

Sensitivity Settings can be selected to fit specific applications and material requirements.

Probes have been designed with **Pro-Guard®** that has the ability to ignore the effects of coatings that can adhere to the probe

Move electronics up to 100 ft (30 m) away with the **Remote Option**

Standard and **Advanced** offering enables the user to choose the option that best suits the application

Frame designed to enable connection flexibility

- Imperial or Metric **conduit entry options**
- **Process fitting** can be made to fit any connection



Yo-Yo™

The GP-4™ and Mark4™ Yo-Yo™ sensors are designed to provide accurate and reliable inventory management information for tanks and silos. The Yo-Yo™ combines proven mechanical design with a modern electronic communications interface.

Proven Mechanical Concept

No mystery how readings are obtained or calculated

1 cm Resolution

Electronics measure in both directions to ensure accuracy

Silos Up To 100 ft (30 m)

Isolated 4-20mA Output

4-20mA output can be reversed or spanned through programming interface

RS-485 MODBUS® Interface

Allows connectivity to Remote Display, customer control system, laptop, and to the Bindicator ORB™ Remote Inventory System

Worldwide Approvals

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Remote Display

- Connect up to 99 units to a single Remote Display
- Manually initiate Yo-Yo™ and observe readings
- Program each Yo-Yo™ with span, volume, units, etc.

TDR-2000

The TDR-2000 guided wave radar uses a cable to guide a microwave signal. Instead of hoping for a return signal in a dusty, noisy process environment, the TDR-2000 *guides* the signal to the material surface and back again.

Consistently Reliable Measurements in Difficult Process Conditions

- dust
- humidity
- turbulence
- foam
- bulk density changes
- changes in dielectric constant
- temperature fluctuation
- vapor
- pressure/vacuum
- build-up

Extreme Accuracy in Changing Conditions

The TDR-2000's cable has a specific impedance value which changes based on the dielectric constant of the surrounding medium. When the pulse encounters a change in impedance along its cable, a portion of the pulse is reflected back. By measuring the time of flight of the reflected signal, an extremely accurate distance can be calculated.

More Reliable Than Through-Air Technology

Through-air sonic and through-air radar signals are affected by dust, fill streams, vapors and changes in dielectric constant. The TDR-2000 is, by design, not affected by these changes.

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ORB™ Remote Inventory System

The ORB™ Remote Inventory System transforms inventory and process data into management information that can increase productivity and reduce supply chain costs.

Remote Inventory Management

Increase Supply Chain Visibility

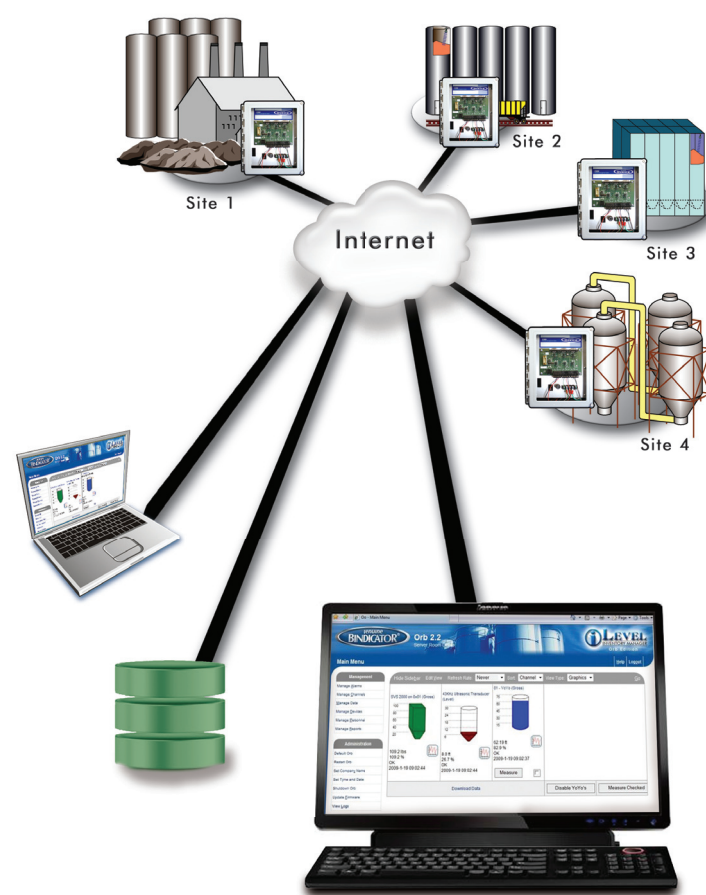
Improve Data Management

Reduce Local Site Maintenance

Worldwide Approvals

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The ORB™ is a controller that connects to process instrumentation via serial and 4-20 dedicated interfaces. The ORB™ contains a database and integrated web server. It becomes a gateway between process instruments and the Internet. The ORB™ web pages can be accessed using any browser from any device that has Internet connectivity.



Original, Genuine

Established in 1936, Bindicator® has built level switches to solve the toughest bulk material handling challenges. We have more history and experience with dry bulk level measurement than any other company.

Built to Last

Bindicator® products are built to withstand rough treatment and extreme environments.

Application Expertise

Bindicator® has specialized in dry bulk level measurement for over 75 years. We have solved the most difficult level measurement problems for customers all over the world. We have a proven solution ready for your application.



BINDICATOR® HAS AN ESTABLISHED NETWORK OF TRAINED REPRESENTATIVES WHO STOCK BINDICATOR® LEVEL INSTRUMENTS.

VISIT OUR WEBSITE OR CALL US TO BE DIRECTED TO THE BINDICATOR® REPRESENTATIVE IN YOUR AREA.

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MEASUREMENT

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150 Venture Boulevard
Spartanburg, SC 29306
(800) 778-9242 · (864) 574-8060
Fax: (864) 574-8063
sales@bindicator.com
www.bindicator.com

genuine
BINDICATOR®



The Leader In Dry Bulk Level Measurement

www.bindicator.com