

# 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**
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# 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

Approved for general purpose and hazardous locations worldwide



## 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.

## Worldwide Approvals

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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

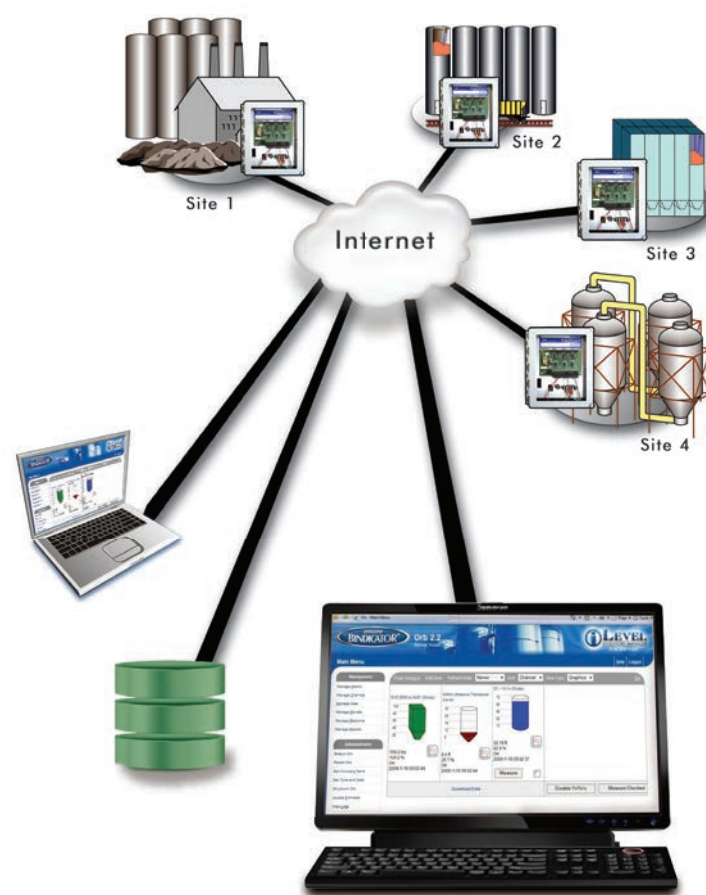
## Improve Data Management

## Reduce Local Site Maintenance

## Worldwide Approvals

Approved for general purpose locations worldwide.

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.

Order from:  
**C A Briggs Company**

622 Mary Street; Suite 101  
Warminster, PA 18974

Phone: 267-673-8117 - Fax: 267-673-8118

[Sales@cabriggs.com](mailto:Sales@cabriggs.com) - [www.cabriggs.com](http://www.cabriggs.com)

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