

# Remote Inventory Management System

The ORB<sup>™</sup> Remote Inventory System transforms inventory and process data into management information that can increase productivity and reduce supply chain costs. By providing a reliable means of gathering and transmitting real-time inventory and process information via your LAN or the Internet, high volumes of data can be securely monitored, retrieved and organized by various users within the plant or remotely.

## FEATURES AND BENEFITS

### Remote Inventory Management

- Access inventory information and stored data from a remote location
- Manage multiple sites with multiple vessels
- Manage inventory via the internet
- Set notifications/alarms to automatically send alerts via email

### Increase Supply Chain Visibility

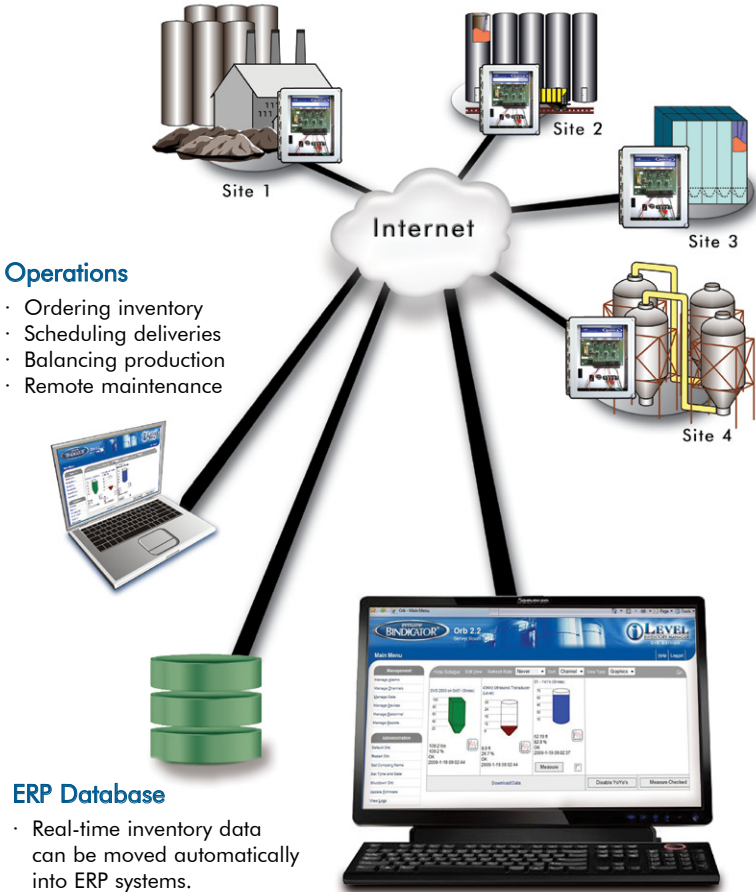
- Automate re-order process with suppliers
- Grant permissions for remote supplier communication
- Improve efficiencies with real-time accessibility to inventory levels

### Improve Data Management

- Integrate or import to the ERP System
- Store historical data
- Run reports for tracking trends or other statistical measures

### Reduce Local Site Maintenance

- Store and replicate calibration settings for all vessels remotely
- Remote instrument maintenance
- Eliminate routine and manual inventory reporting



### Operations

- Ordering inventory
- Scheduling deliveries
- Balancing production
- Remote maintenance

### ERP Database

- Real-time inventory data can be moved automatically into ERP systems.

### Headquarters/Accounting

- Real-time inventory
- Usage trends
- Vendor managed inventory

## HOW TO ORDER

|   |                  |
|---|------------------|
| ORB <sup>™</sup> Inventory Management System            | ORB 2.2.5-B-A2   |
| ORB <sup>™</sup> Inventory Management System with Modem | ORB 2.2.5-B-A2-M |

## Remote Inventory Management System



### System Description

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.

## SPECIFICATIONS

### Types of Data Available:

- Material level and weight; any process variable available as a 4-20mA signal
- Historical data
- Alarm conditions
- Logs of user access and configuration changes

### Data Access Methods:

- Over intranet or Internet via web browser
- Data download to spreadsheet or delimited file
- Automatic transmission to client database in XML format

### Alarm Alerts:

- Any user-specified condition for level, weight, or other process variables
- Malfunction status of connected devices
- Alarm conditions viewable via web
- Alerts transmitted electronically to e-mail, handheld devices, or fax systems

### System Setup:

- Plug-and-play configuration with Bindicator® and Kistler-Morse® systems
- Customized units of measure
- Frequency of data collection
- User configuration and access permissions

### Device Compatibility:

Bindicator® Level Devices: GP-4 and Mark-4 Yo-Yo™ (Version 1.05 or higher), Sonotracker™ ultrasonics, TDR-2000 Guided Wave Radar (via 4-20 mA input)

Kistler-Morse® Weighing Systems: SVS 2000, Weigh II (rev B firmware or higher), STX+, MVS (rev G firmware or higher), Sono II (rev L firmware or higher); Ultra-wave™ (rev L firmware or higher)

### Communication Ports:

- 1 Ethernet TCP/IP (RJ45)
- 1 Modem (RJ11) (Option)
- 3 RS-422/485/232C

### Power Supply Requirements:

90 VAC - 254 VAC; 40 watts

### Operating Temperature:

-22 to 125°F (-30 to 52°C)  
Humidity: 0-100% non-condensing

### Enclosure:

NEMA-4X, Fiberglass Reinforced Plastic

### Physical Dimensions:

10.5 in. H x 8.5 in. W x 6.5 in. D  
(130.2 mm x 215.9 mm x 165.1 mm)  
6.5 lbs (2.95 kg)

### Mounting hole pattern:

10.94 in. x 6 in. (278.87 mm x 152.40 mm)

### Approvals:

CE



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