



THERE'S THE OLD WAY... OR THERE'S THE

BEST-IN-CLASS TANK GAUGE INNOVATION



SiteSentinel **iSite**™

Console

- Large color touchscreen display gives one-touch access to real-time inventory data, delivery status, alarm conditions, density measurement and leak detection information all accessible from a single cockpit view
- Monitors up to 256 probes and/or 1024 sensors that can be connected in any combination (32 probes/128 sensors per module, 8 VSmart modules per system)
- One system handles a mix of horizontal and vertical tanks utilizing rigid and flexible magnetostrictive probe technologies.
- Provides real-time, accurate inventory information to include gross or net-corrected tank volume, product level, water level, temperature, and density for individual tanks
- Available output modules provide multi-purpose relays, which can be used for outputs such as overflow alarms, sensor alarms or for turning on and off external devices
- USB and network printer interface
- System provides programmable correction factors for restrapping tanks (1000 points)
- Software is downloadable for easy updates
- System interfaces with many POS devices
- Density measurement capability can be used to more accurately calculate net-corrected volumes and leak test performance (Density measurement with rigid probes only)
- Automatically send text messages to cell phone, fax and/or e-mail alarms and events
- EPA third party certified 0.76 lph (0.2 gph) and 0.38 lph (0.1 gph) Static Leak Test
- Operating Temperature: 0° C to 50° C (32° F to 122° F)
- Power Requirements: 120/240 VAC ± 10%, 50/60 Hz.
- Communication Ports: 2 x Ethernet, 2 x 485, 4 x 232, 2 x USB, 2 internal USB, modem and wireless
- Internal on main board: 2 outputs and 1 input contacts, external: using OM-4/P relay module, up to 32 relays max., 4 output relays per module, 2 inputs, 8 modules per system

VSmart & Probe Specifications

- Number of Probes: Up to 32 probes per VSmart Module, up to 8 VSmart Modules per SiteSentinel® iSite™ Console
- Probe Length: horizontal or vertical tanks Up to 3.7m (12 feet) rigid stainless steel, up to 15m (50 feet) flexible PVDF for AST applications
- Probe inputs intrinsically safe magnetostrictive, 1 or 2 floats, + density
- Temperature Precision: ± 0.00120° C (0.00210° F)
- Density Accuracy: ± 0.0025 g/cc
- Level Accuracy: ± 0.04% Full Scale
- Temperature Accuracy: ±0.5° C (± 0.9° F)
- Location: Class 1, Division 1, Group D EEx ia IIB T 4
- Temperature Range: -40° C to 70° C (-40° F to 158° F)
- Data Cable: 75m or less (250') use Belden 88760 - 76m to 304m (250'-1,000') use Belden 9182
- Floats: Nitrophenyl 5.1cm (2"), 10.2cm (4") and stainless steel 5.1cm (2")

Sensors

- Number of sensors: Up to 128 sensors per VSmart Module, up to 8 VSmart Modules per SiteSentinel® iSite™ Console
- **Temperature Rating for All Sensors Except as Noted**
- Operating temperature: -40° C to 60° C 65° C (-40° F to 140° F 150° F)

Mag Sump Sensor Specifications

- Liftoff for Fuel Indication: 2.5 cm (1.0") in height
- Liftoff for Water Indication: 1.3 cm (0.5") in height

Discriminating Dispenser Pan Sensor

- Application: Dispenser pans
- Detects/Differentiates: Fuel vs. water
- Product Detection: 3.2 cm (1.25") fuel only - 3.2 cm (1.25") fuel on water

Discriminating STP Sensor

- Application: STP sumps
- Detects/Differentiates: Fuel vs. water
- Product Detection: 3.2 cm (1.25") fuel only - 3.2 cm (1.25") fuel on water

Discriminating Interstitial Sensor

- Application: Tank interstice
- Detects/Differentiates: Fuel vs. water
- Requires a minimum of 1.6 cm (0.625") immersion depth to activate

Sump Sensor, Float Switch

- Application: Dispenser pans/transitions
- Detects: Fuel or water
- Requires a minimum of 3.2 cm (1.25") immersion depth to activate

Hydrocarbon Vapor Sensor

- Application: Dry monitoring wells, double wall tank interstice
- Product Detection: Hydrocarbon vapor

Interstitial Hydrocarbon Liquid with Water Indicator

- Application: Interstitial space of double-wall fiberglass tank
- Differentiates: Fuel vs. water
- Requires a minimum of 0.25 cm (0.1") of fuel to activate

Liquid Only Interstitial Sensor

- Application: Interstitial space of double-wall tank
- Detects: Fuel or water
- Requires a minimum of 2.5 cm (1") immersion depth to activate

Discriminating Fuel/Water Monitoring Well Sensor

- Application: Dispenser pans
- Detects/Differentiates: Fuel on water or when water drops below sensor
- Requires a minimum of 1.9 cm (0.75") immersion depth to activate
- Operating temperature: -20° C to 60° C (-4° F to 122° F)



Certifications



6900 SANTA FE DRIVE • HODGKINS, IL USA 60525 • www.opwglobal.com • 708-485-4200 • (fax) 708-485-4630



Leading the Way in Tank Gauge Innovation.



BEST-IN-CLASS TANK GAUGE SYSTEM

BEST-IN-CLASS FEATURE SET

- Brilliant 38 cm (15 in.) Color LCD Touchscreen Display
- Icon-based Menu Structure
- Internal, USB or Network Printer
- 100 MB Ethernet, USB Communications Ports
- Wireless Communication Capability
- Bluetooth Enabled

BEST-IN-CLASS EXPERIENCE

- Simple to Specify
- Simple to Order
- Simple to Install
- Simple to Use

BEST-IN-CLASS INFORMATION @ POINT-OF-USE

- One Touch Access Display
- Install the Console where You Want it

BEST-IN-CLASS VALUE

- Automatic Device Detection
- Quick Set-up
- Lowest Cost of Installation
- Fewer Wires and Conduits

BEST-IN-CLASS EASE-OF-USE

- The Easiest to Use Tank Gauge in the Industry
- The Most Intuitive
- Minimal Training Required
- Least Amount of Menu Navigation
- Identical User Experience at the Console or on a PC with Web Browser

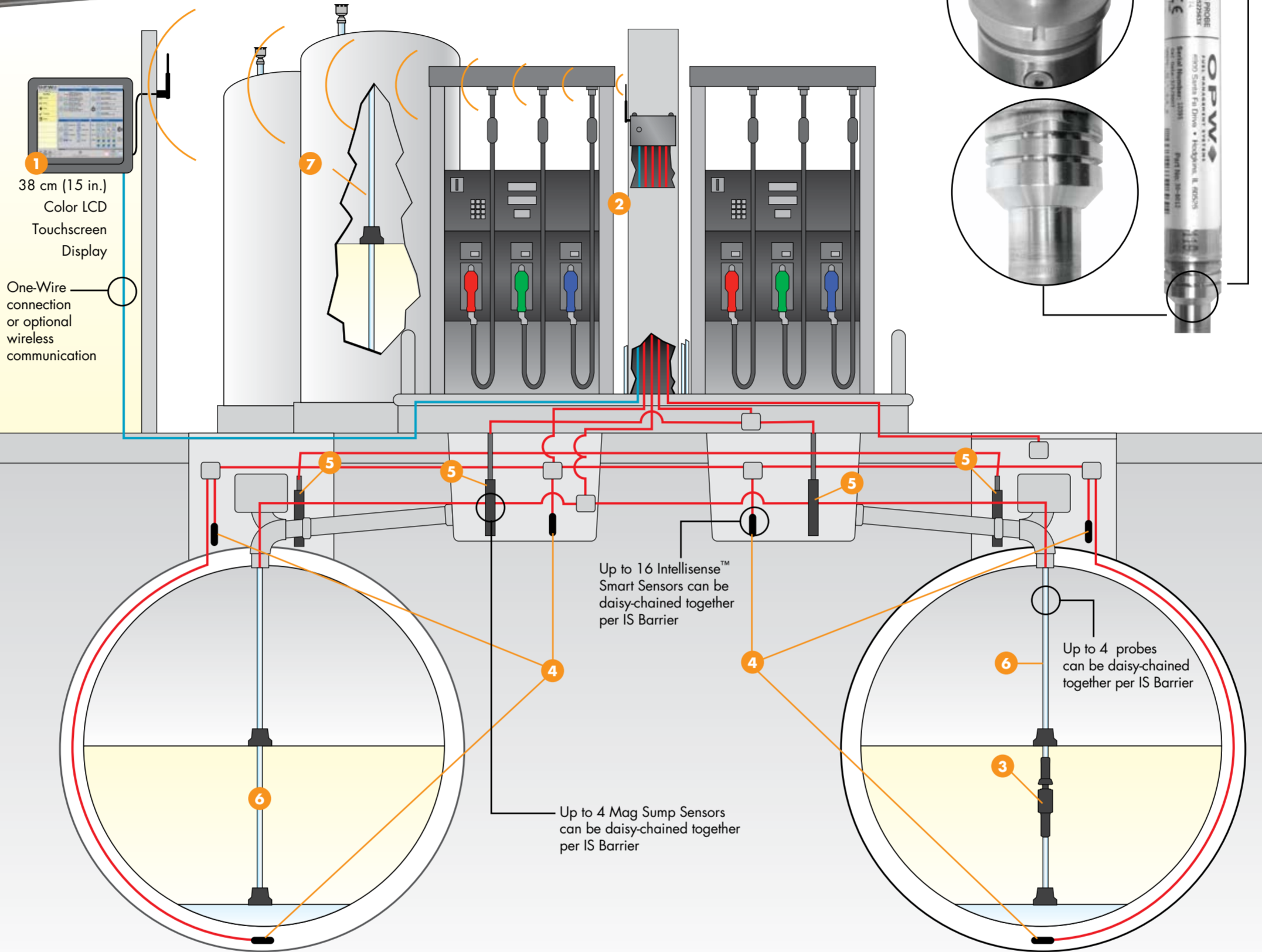


1 BEST-IN-CLASS – SITESENTINEL® iSITE™ CONSOLE

- **Information at Point-of-Use:** One-Touch access display console can be installed where you want it (back office, front of store, wall mount, desktop, at home, thousands of miles away – your choice)
- **Critical Information at Point-of-Use:** Cockpit style presentation of information provides all critical information on the screen in real-time: density measurement, inventory, deliveries, compliance, and general site status
- **Get Connected:** Specially designed for connectivity now and into the future. Ports include: 2 x ethernet, 2 x 485, 4 x 232, 2 x USB, 2 internal USB, modem and wireless
- **Ease of Use:** The easiest, most intuitive tank gauge system in the industry requiring the least amount of training and the least amount of menu navigation on a 38 cm (15 in.) touchscreen or your PC
- **Lowest Cost of Installation:** Requires the least amount of wiring, conduits and installation time when used with SiteSentinel® iSite™ Smart Sensors and probes or the SiteSentinel® iSite™ wireless option
- **Save your Site Settings:** Site settings can be saved offsite and downloaded in event of equipment damage



SiteSentinel®
iSite™



1 38 cm (15 in.) Color LCD Touchscreen Display
One-Wire connection or optional wireless communication



7 BEST-IN-CLASS – AST FLEXIBLE PROBE

- **Proven Highly Accurate Magnetostrictive Technology:** For vertical tanks up to 15 m (50 feet) high

6 BEST-IN-CLASS – 924B MAGPROBE

- **Highly Accurate and Reliable Magnetostrictive Technology:** Provides inventory management and in-tank leak detection for fuel sites

- **Easiest Installation:** Can “daisy-chain” up to 4 probes on one barrier position which makes installation easier and less time consuming

- **Sealed Construction:** Head is welded to the shaft to ensure long-life integrity. Designed to prevent fluid from entering the probe head in the event of a tank overflow

5 BEST-IN-CLASS – MAG SUMP SENSORS

- **Fast Detection Times:** Patent pending float design provides low float lift-off

- **Discriminates** Between fuel and water

- **No Disposal or Replacement Issues:** Will not become contaminated once exposed to fuel. Can be reused without cleaning

- **Installation Accuracy Assured:** Includes “installation sensor” to monitor that the Mag Sump Sensors are properly positioned on the bottom of the sump



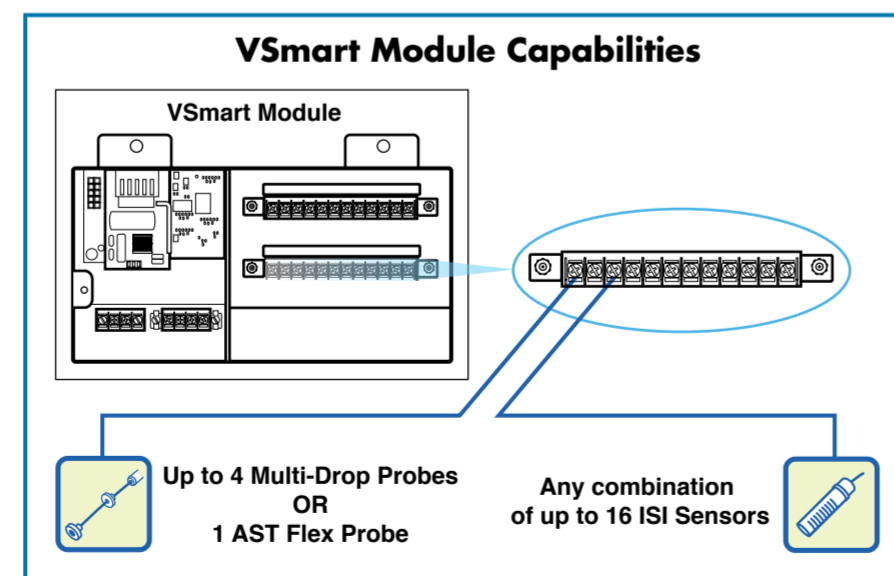
BEST-IN-CLASS – REMOTE ACCESS AND MONITORING

- **Online Access Anywhere @ Anytime:** SiteSentinel® iSite™ enables you to monitor your site via the internet when it is necessary or convenient 24/7/365



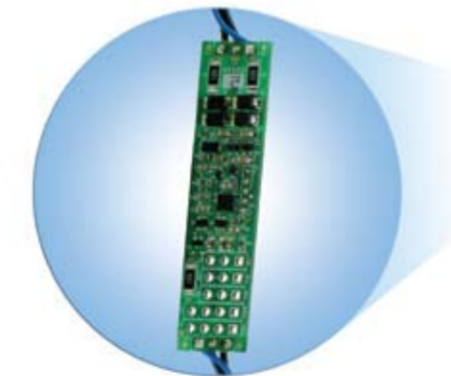
2 BEST-IN-CLASS – VSMART MODULE

- **Automatic Configuration:** Automatically detects the type of device connected and sends the device information directly from the VSmart module to the SiteSentinel® iSite™ console! This feature provides for easy configuration of the site utilizing the Automatic Configuration Detection (ACD) feature built directly into the SiteSentinel® iSite™ Console
- **One Wire Connection:** Nothing could be easier... except of course the optional wireless VSmart option
- **The Simplicity of a Wireless Device:** SiteSentinel® iSite™ uses Point-to-Point wireless radio technology from the station forecourt to the SiteSentinel® iSite™ console inside the building



3 BEST-IN-CLASS – DENSITY MEASUREMENT

- **Highly Accurate Multi-point Density Sensing Provides High Level of Accuracy**



4 BEST-IN-CLASS – SMART SENSORS™

- **Easy to Keep Track of Replaced Sensors:** Smart Sensors™ by OPW FMS tell you their connection status, eliminating worries over whether or not sensors are connected to the tank gauge console. The SiteSentinel® iSite™ console records serial number, date and time for any sensor replacement or change after the initial system installation

- **Low Cost of Installation:** The SiteSentinel® iSite™ Smart Sensor™ technology enables sensors to be “daisy-chained” together during installation, eliminating a wiring “home-run” for each sensor back to the console in the building

- **Does not Require Separate Module Boards for Different Sensors:** Smart probes or sensors are interchangeable with any barrier position

