

Now You Have A Choice... Tank Gauging Made Simple.

BEST-IN-CLASS AST TANK GAUGE INNOVATION



SiteSentinel®
Integra 500™



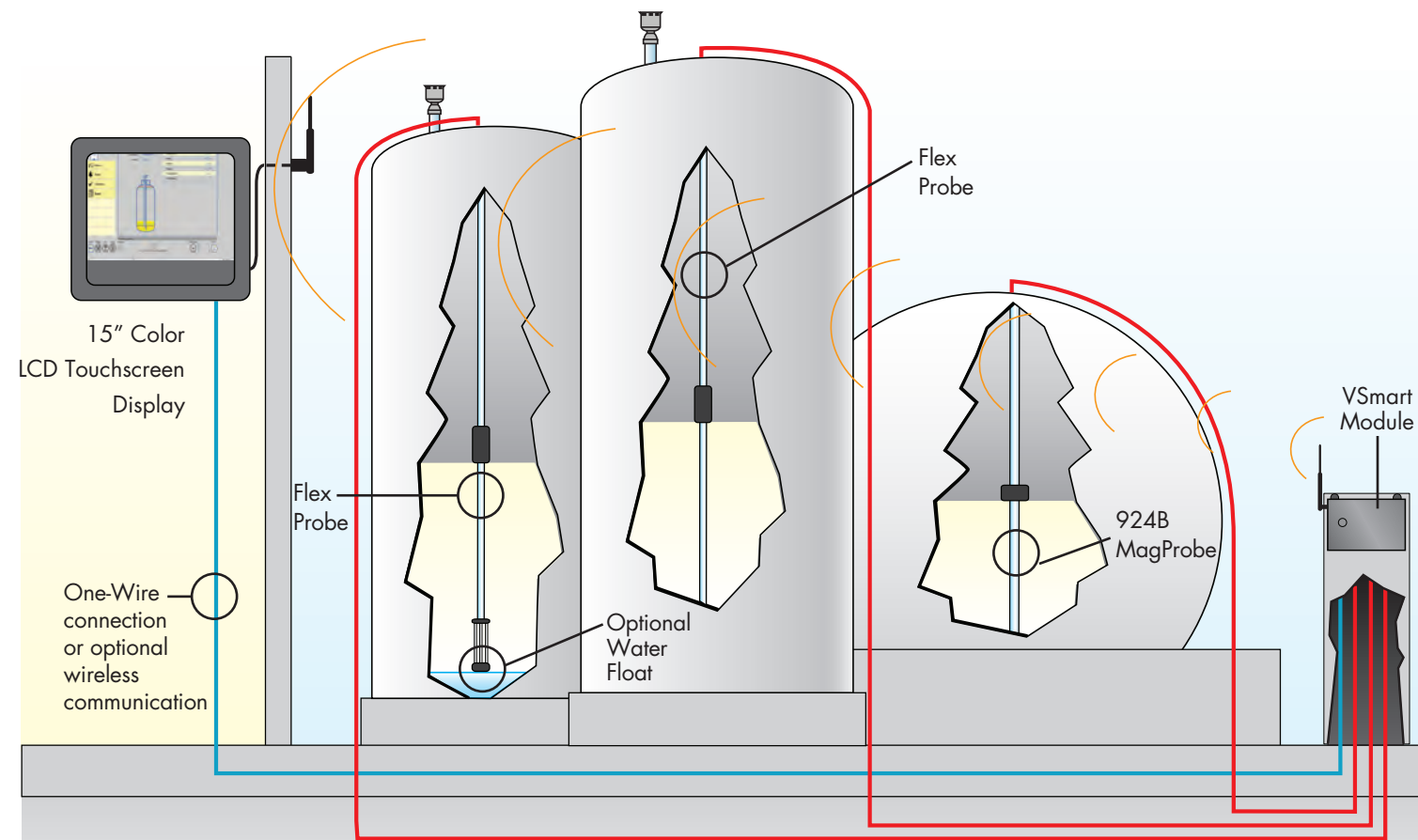
Leading the Way in AST Tank Gauge Innovation.

OPW Fuel Management Systems introduces a Best-in-Class AST System for monitoring your valuable fuel inventory. The SiteSentinel® Integra 500™ offers the advantages of easy installation and accurate monitoring for tank farms and bulk storage facilities. With wireless access, you can monitor and manage your inventory like never before with this cost-effective solution. OPW Fuel Management Systems is leading the way in AST tank gauge innovation.



BEST-IN-CLASS – SITESENTINEL® INTEGRA 500™ CONSOLE

- **Information at Point-of-Use:** One-Touch access display console can be installed where you want it (back office, front of building, 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: inventory, deliveries, compliance, and general site status
- **Get Connected:** Specially designed for connectivity now and into the future. Ports include: 1x ethernet, 1 x 485, 2 x 232, 2 x USB, 2 internal USB, and optional modem
- **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 15" color touchscreen or your PC
- **Lowest Cost of Installation:** Requires the least amount of wiring, conduits and installation time when the VSmart module is mounted near the tank
- **Save your Site Settings:** Site settings can be saved offsite and downloaded in event of equipment damage



BEST-IN-CLASS – REMOTE ACCESS AND MONITORING

- **Online Access Anywhere @ Anytime:** The SiteSentinel® Integra 500™ enables you to monitor your site via the internet when it is necessary or convenient 24/7/365



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® Integra 500™ console! This feature provides for easy configuration of the site utilizing the Automatic Configuration Detection (ACD) feature built directly into the SiteSentinel® Integra 500™ Console
- **One Wire Connection:** For hardwired applications, connect to the console with RS485 or CAT5 cable
- **Wireless VSmart Capability:** It's easy to communicate wirelessly between the tank farm and the SiteSentinel® Integra 500™ console located inside the building
- **The Simplicity of a Wireless Device:** The SiteSentinel® Integra 500™ uses Point-to-Point 900 MHz wireless radio technology which can eliminate the need to run conduit under existing concrete or paved fueling facilities



BEST-IN-CLASS AST FLEXIBLE PROBE

The AST Probe is made of flexible Polyvinylidene Fluoride (PVDF). Its inherent chemical resistance makes it ideal for petrochemical, bulk lube storage, aviation and railroad fueling applications. It can be installed in aboveground storage tanks up to 70 feet high (21.3m). Its design eliminates the bulky electronics at the top of the sensor for easy insertion and mounting. Product floats are available in 2" (5.1 cm) and 4" (10.2 cm) for use in tank openings from 2 to 4 inches (5.1cm to 10.2 cm).

- **Proven Highly Accurate Magnetostrictive Technology**
- **Optional Water Float Available**
4" floats for vertical tanks with 4" minimum openings

BEST-IN-CLASS – 924B MAGPROBE

- **Highly Accurate and Reliable Magnetostrictive Technology:** Provides inventory management and in-tank water detection
- **Easiest Installation:** Can "daisy-chain" up to 4 "924B" 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

Console

- Large color touchscreen display gives one-touch access to real-time inventory data, delivery status, alarm conditions and leak detection information all accessible from a single cockpit view
- Monitors up to 32 "924B" probes and/or 128 Smart Sensors per installed V-Smart. These components can be connected in any combination.
- Monitors up to 8 flex probes per installed V-Smart
- 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 and temperature 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
- SQL database, FTP available for report data
- System provides programmable correction factors for restrapping tanks (450 points)
- Downloadable and Flash upgradeable software for easy updates
- Automatically send text messages to cell phone, fax and/or e-mail alarms and events
- Operating Temperature: 32° F to 122° F (0° C to 50° C)

- Power Requirements: 120/240 VAC ± 10%, 50/60 Hz.
- Communication Ports: 1 x Ethernet, 1 x 485, 2 x 232, 2 x USB, 2 internal USB, and modem (optional)
- Standard one (1) outputs and one (1) input internal relay connection
- Up to 16 relays maximum, four (4) output relays per module using optional OM4, 7 modules per system

VSmart & Probe Specifications

- NEMA 4 rated VSmart enclosure
- NEMA 4 rated wireless modem
- Number of Probes: Up to 32 "924B" probes and/or 8 flex probes per Vsmart module, up to 7 VSmart Modules per SiteSentinel® Integra 500™ Console
- Probe Length: horizontal or vertical tanks up to 20' (6 m) 924B rigid stainless steel, or up to 70' (21.3 m) flexible PVDF
- Probe inputs intrinsically safe magnetostrictive 1 or 2 floats
- Location: Class 1, Division 1, Group D EEx ia IIA T 4
- Temperature Range: -40° F to 158° F (-40° C to 70° C)
- Data Cable: 500' (152.4 m) or less use Belden 88761, from 500'-1,000' (152.5 m to 304.8 m) use Belden 88760
- Floats: Nitrophyl 2" (5.1 cm), 4" (10.2 cm) and stainless steel 2" (5.1 cm)

Certification



ALSO AVAILABLE - 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® Integra 500™ console records serial number, date and time for any sensor replacement or change after the initial system installation
- **Low Cost of Installation:** The SiteSentinel® Integra 500's™ 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



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