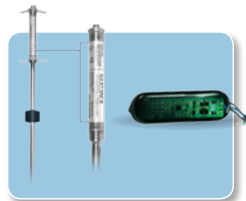




FUEL MANAGEMENT SYSTEMS

Tanks • Sensors • Probes



OPW 
A **DOVER** COMPANY

Leading The Way in Fluid Handling Solutions Worldwide

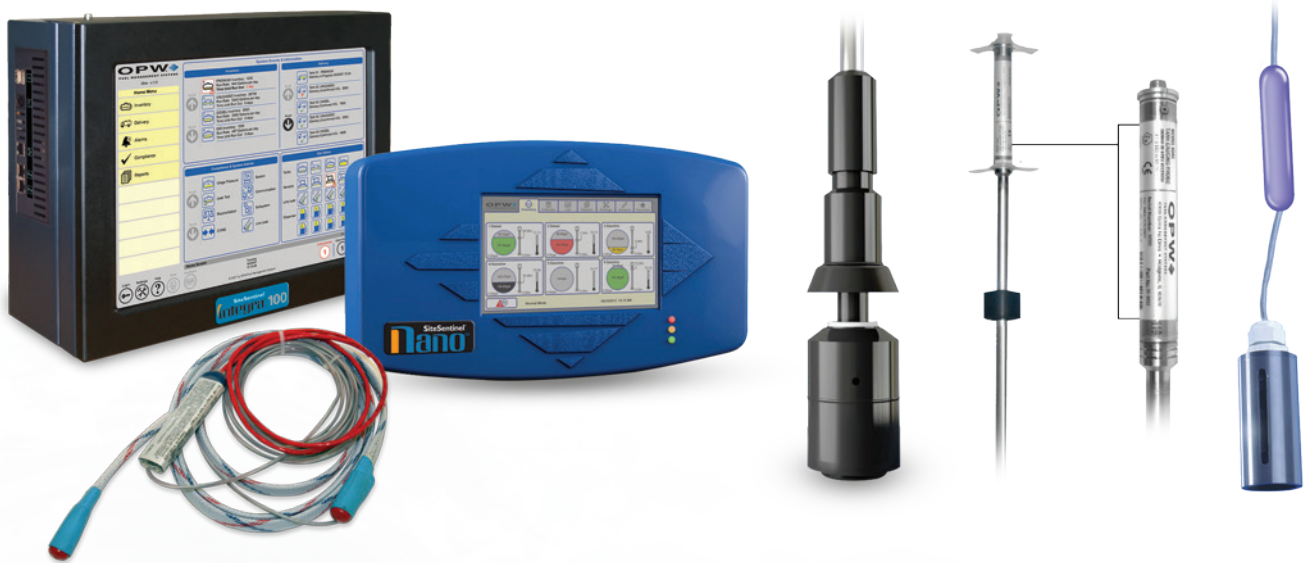
www.opwglobal.com



Overview

Easy and Reliable Tank Gauging

OPW offers reliable and accurate tank gauging systems, providing you with the perfect solution for both larger and smaller stations. Our full range of probes and sensors gives you the options you need for successful monitoring of fuel levels and secondary containment spaces. The patented SiteSentinel® multi-drop technology allows more probes and sensors to be connected to one single line going back to the console, resulting in lower installation cost.



OPW tank gauging interfaces are intuitive, easy to use and require minimal user training. The color touchscreens present information in a way everyone can understand.

Remote access to the Nano™ and Integra™ platforms allows for quick access to fuel stock information from any location. Technicians and OPW technical support can upgrade software, backup information and provide remote support from virtually any location. Tank gauging has never been easier or more reliable than today.



Real-Time Inventory Data Anywhere You Are

The SiteSentinel[®] Nano[™]

OPW's SiteSentinel[®] Nano[™] tank gauge delivers a user-friendly interface in a compact console. The intuitive touchscreen user interface provides real-time, accurate inventory information through a large color touchscreen. Users can schedule the system to perform leak detection tests and to run reports daily, weekly, monthly and yearly.

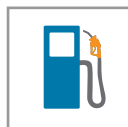
Applications

- The console's small equipment footprint makes it ideal for fueling operations of all sizes
- The gauge accommodates 12 probes and 24 sensors, allows future system upgrade
- Multi-drop technology can reduce installation costs by minimizing the wiring and labor required for a quick installation
- Web-based interface enables remote use and training



INTUITIVE

The gauge's 18 cm color touchscreen provides easy access to inventory, compliance, delivery, warnings and alarms



VERSATILE

With a small equipment footprint and cost-saving multi-drop technology, the Nano meets the needs of any fueling operation



USER-FRIENDLY

The Nano's user-friendly software offers a calendar view and a "Favorites" list for quick recall of the most-used filters



CONVENIENT

Online access enables off-site training as well as remote troubleshooting, remote monitoring of leak detection, inventory and compliance information

Specifications

- Dimensions: 21 cm H x 32.5 cm W x 6 cm D
- Power: 120/240 VAC +/- 10%, 50/60 Hz, 200 W
- Operating Temperature Range: 0°C to 50°C
- Display: 18 cm color LCD touchscreen
- Graphical user interface
- Printer: External USB
- Alarm Notifications: Email, Fax, SMS
- Wide variety of communication ports (RS-232, 485, 422, Ethernet, USB)
- Network Connectivity: DHCP/static addressable Ethernet ports

State-of-the-Art Gauging Made Simple



The SiteSentinel® Integra 100™

The SiteSentinel® Integra 100™ is designed to lower installation costs by reducing the number of wires required to connect probes and sensors to the internal I.S. module. All digital devices are automatically detected and configured by using the touchscreen interface, making it one of the easiest ATG systems in the industry to install, configure and use.

Applications

- Capable of monitoring up to 16 probes or 64 sensors or combination thereof, the Integra 100 is the ideal solution for operations that need a full-featured tank gauge
- A streamlined upgrade process makes the Integra 100 the perfect gauge for sites that have the intention to grow in the near future
- The industry's largest touchscreen and user-friendly software ensure a simple operating experience for fuel site employees.



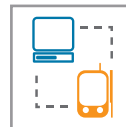
EASY TO USE

The industry's largest touchscreen promotes ease of use



SIMPLE TO INSTALL

With a variety of communication ports, the Integra 100 fits seamlessly into any site's operations



ACCESSIBLE

Remote access capabilities allow interaction with the gauge from any location



UPGRADEABLE

With a simple upgrade process to the Integra 500™, the SiteSentinel Integra 100 can grow with your operation

Specifications

- Large touchscreen display
- Automatic Calibration and Reconciliation (ACR)
- Standard Integral 4-channel multi-drop I.S. module
- Internal power supply works between 96-264 VAC, covering all global requirements
- International user-friendly icons follow guidelines in MIL STD - 1472
- Downloadable and Flash upgradeable software for easy updates
- Monitors up to 16 probes and 64 sensors or combination thereof
- Dimensions: 37 cm W x 30 cm H x 10 cm D
- Communication Ports: 1 x Ethernet, 2 x RS-232, 2 x USB, 2 internal USB, 1 x modem (optional)

Powerful Tank Gauging for Critical Applications

The SiteSentinel® Integra 500™

The SiteSentinel® Integra 500™ represents the fueling industry's most powerful tank gauge. With the ability to communicate with a wireless VSmart, an external NEMA 4-Class wiring enclosure that can be mounted on the forecourt, the Integra 500 can monitor more probes and sensors than any gauge on the market, and allows for a drastic reduction in the wiring and labor needed for installation.

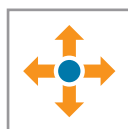
Applications

- Capable of monitoring up to 32 probes and 256 sensors, the Integra 500 is ideal for bulk storage and large fueling sites
- Automatic calibration and reconciliation ensures in-depth and up-to-the-moment fuel monitoring
- Remote access and the industry's largest touchscreen make the Integra 500's robust feature set simple to use
- Web-based interface facilitates remote training



POWERFUL

With ACR functionality, the Integra 500 offers the most full-featured monitoring available today



EXPANDABLE

VSmart compatibility ensures the ability to cater to any size site



SMART

Remote accessibility allows the Integra 500 to streamline your daily workflow



ECONOMICAL

For large sites, the Integra 500's multi-drop technology can lead to substantial savings compared to competitive alternatives

Specifications

- Large touchscreen display
- Automatic Calibration and Reconciliation (ACR)
- Optional Integral 4-channel multi-drop I.S. Module
- Optional VSmart provides ability to cater to large sites
- Internal power supply works between 96-264 VAC, covering all global requirements
- International user-friendly icons follow guidelines in MIL STD - 1472
- Dimensions: 37 cm W x 30 cm H x 10 cm D
- Communication Ports: 1 x Ethernet, 1 x RS-485, 2 x RS-232, 2 x USB, 2 internal USB, 1 x modem (optional)

SiteSentinel® Multi-Drop and Remote Accessibility

Available on the SiteSentinel® Integra 100/500™ and Nano™ tank gauges, OPW's patented SiteSentinel multi-drop and remote accessibility features offer a number of cost and logistics benefits which cannot be found with any other gauges on the market.

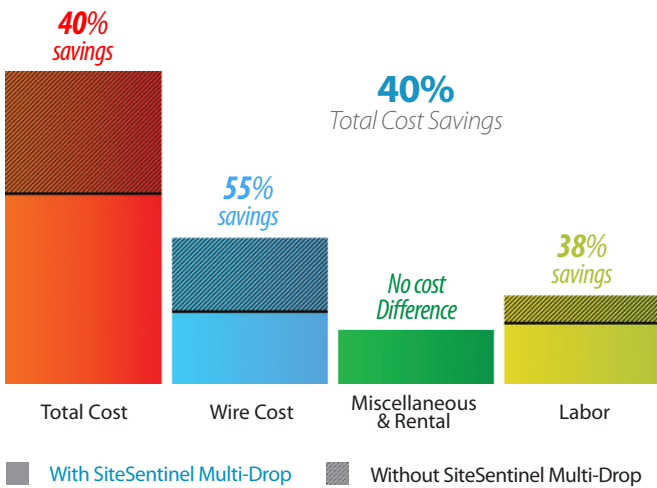
The Benefits of SiteSentinel® Multi-Drop

SiteSentinel® multi-drop technology, available on the SiteSentinel® Integra 100/500™ and SiteSentinel® Nano™ tank gauges, enables multiple probes to be run back to a gauge on one wire.

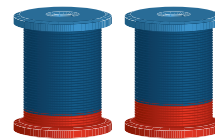
This drastically reduces the amount of wire and labor needed when installing a gauge, reducing the costs of installation in both new and pre-existing sites.

- Slash wiring and labor costs for your tank gauge installations
- Decrease site downtime needed for gauge installation or maintenance
- Achieve significantly lower site installation costs

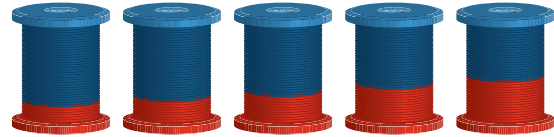
Typical 3-tank, 4-dispenser island installation



Wire Waste with SiteSentinel Multi-Drop
253 m installed | 52 m wasted



Wire Waste without SiteSentinel Multi-Drop
570 m installed | 192 m wasted



Labor Needed = 8 hours of labor



With SiteSentinel Multi-Drop



Without SiteSentinel Multi-Drop

Remote Accessibility



From initial employee training, to emergency support capabilities, a user with remote access is able to control the unit fully. This includes archive backup, upgrades, software updates, alarm remediation, etc.

- Access data and interact with your gauge from anywhere, on most devices
- Train employees on gauge-related processes from one central location
- Streamlined troubleshooting processes allow support professionals to see exactly what's occurring with your gauge in real-time
- Software updates and upgrades can be implemented remotely
- Remote backup functions ensure you'll never lose your historical inventory or alarm data

SiteSentinel® iTouch™ AutoReconciliation (AR)

Accurate, Affordable Tank Gauging

The SiteSentinel® iTouch™

The SiteSentinel® iTouch™ with AR makes precision fuel monitoring available to any site operator. With automatic reconciliation functionality, you can monitor your inventory, sales transactions and identify the source of unaccounted fuel losses.

Applications

- Perfect for sites that need automatic reconciliation at a cost-conscious price point
- Ability to connect with up to 16 probes or sensors
- Automatic reconciliation capabilities allow you to account for any unexpected variance in your inventory levels
- SiteConnect software enables remote fuel monitoring systems



RELIABLE

Proven, field-tested technology ensures hassle-free tank gauge operations



AFFORDABLE

A competitive cost provides an excellent option for budget-conscious operators



FUNCTIONAL

Automatic reconciliation offers the ability to monitor product loss and dynamic delivery data



SIMPLE

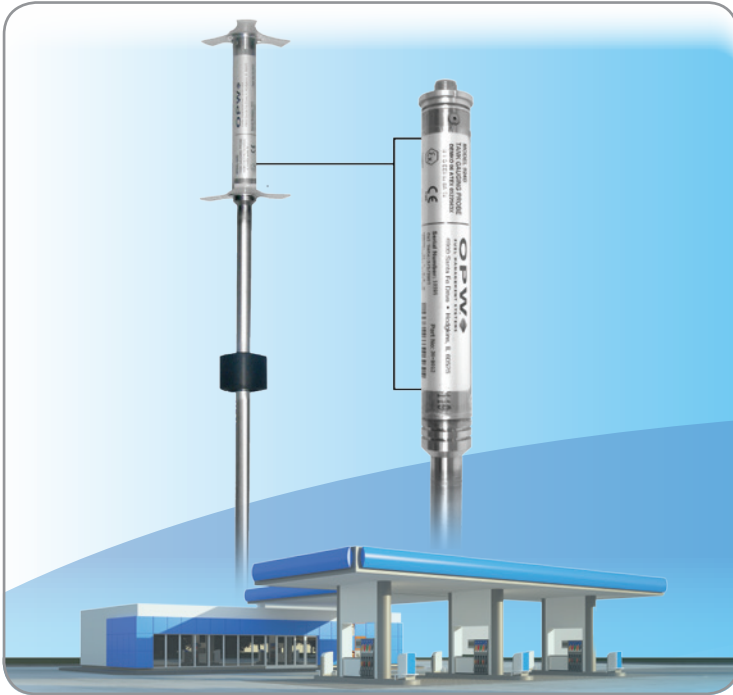
A basic touchscreen interface allows for a streamlined training and usage

Specifications

- Monochrome touchscreen display uses user-friendly icons
- Monitors up to 16 probes and/or sensors that can be connected in any combination
- Three RS-232 serial communication ports
- All probes and sensors are third-party certified to meet and/or exceed regulatory requirements
- Operating Temperature Range: -10°C to 50°C
- Dimensions: 23.5 cm H x 31 cm W x 13 cm D
- Input Power: 100-250 VAC, 50/60 Hz, 0.5 A

924B Probe

Precision Inventory Management



The 924B Probe

The 924B Magnetostriuctive Probe features standard stainless-steel construction, making it the ideal inventory measurement solution for any gasoline, diesel, ethanol or biodiesel application. Available in lengths from 1.2 m to 3.6 m, OPW 924B probes are designed to provide accurate fuel level readings no matter the size of your tanks.

Applications

- As a level 1 probe, the 924B is engineered to cater to the specific needs of most tank applications
- Multi-drop capability allows up to four probes to be connected on a single I.S. module (compatible gauges only)
- Optional density floats provide a measure of all changes in product density within a specified API density range
- Streamlined installation process ensures simple installation in both 2-inch and 4-inch riser systems



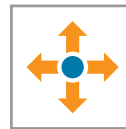
PRECISE

Capable of measuring product changes to a resolution of 0.0127 mm



RELIABLE

ISO 17025 certification ensures each probe we produce meets strict performance standards



VERSATILE

With numerous length and float kit options available, a configuration exists for nearly any facility's needs



DURABLE

A rugged stainless-steel design prevents in-tank corrosion or degradation

Specifications

- Measures product level changes to a resolution of 0.0127 mm
- Measures product temperature changes to a resolution of 0.1° C
- Measures water level changes to a resolution of 0.254 mm
- Linearity over the entire probe length is ± 1 mm
- Material: Stainless-steel body, nickel-coated brass cap
- Location: Hazardous, Class 1, Division 1, Group D
- Temperature Range: -40° C to + 70° C
- Data Cable: 305 m Belden 88760; 152 m max. Belden 88761

7100V AST Flex Probe

Accurate Inventory Measurement for Aboveground Storage Tanks

The 7100V AST Flex Probe

The 7100V Series flexible probe leverages OPW's magnetostrictive technology to allow greater precision and reliability in measuring Aboveground Storage Tanks (AST) product levels.

Applications

- The 7100V AST flex probe was designed to be the industry's most effective probe for AST applications
- With the ability to connect to gauges from up to 300 meters away, the flex probe is ideal for any size site
- Compatible with all common fuel types, the 7100V can fit seamlessly in nearly any fueling operation



ACCURATE

Precision measurement technology enables the identification of product level changes as low as 0.254 mm



FLEXIBLE

The ability to cater to nearly any site size or fuel type makes the 7100V one of the most flexible probes on the market



EASY INSTALLATION

Combined with an OPW gauge, the 7100V is a near "plug and play" solution



RESPONSIBLE

The presence of a 7100V probe eliminates the need for manual tank sticking on ASTs, enhancing site safety

Specifications

- Available probe lengths from 5 m to 15 m
- Enclosure Material: PVDF
- Resolution: 0.254 mm Inventory Mode
- Distance to Optional VSmart Module: 300 m Belden 88760; 152 m maximum Belden 88761
- Maximum Tank Capacity: 350,000,000 litres

OPW Sensors

Comprehensive, Innovative Site Monitoring Technology



The Smart Sensor™ for SiteSentinel® Integra™

Our Smart Sensors™ inform you of their connection status, eliminating concerns over whether or not sensors are connected to the tank gauge console.

Record it. Replace it.

Upon initial system installation, the SiteSentinel® Integra™ console records the serial number, date and time sensors will need to be replaced or changed out.

Multi-drop. Save money.

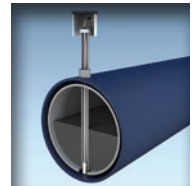
Our Smart Sensor™ technology enables the daisy chaining of sensors during the critical installation period. This eliminates direct wiring runs back to the SiteSentinel® iSite™ console inside the building, leading to cost savings.



SiteSentinel® iTouch™ Part Number: 30-3221-1
SiteSentinel® Integra™ Smart Part Number: 30-0231-L

Single Level Sump Sensor

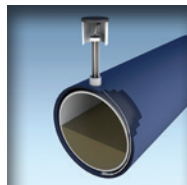
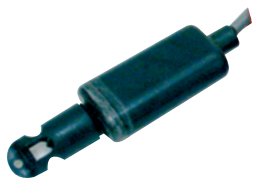
- Detects liquid in sumps, dispenser pans and other locations where its very presence could indicate a leak has occurred



SiteSentinel® iTouch™ Part Numbers: 30-3221-1A and 30-3221-1B
SiteSentinel® Integra™ Smart Part Numbers: 30-0230-S

Liquid Only Interstitial Sensor

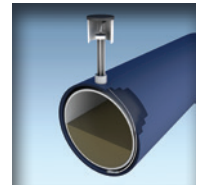
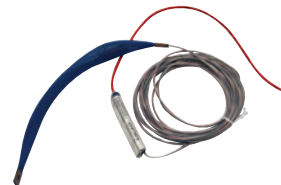
- Used primarily in the interstitial area of double-wall tanks
- Can also be used in sumps and dispenser pans
- Contains a float switch that activates in the presence of liquid



SiteSentinel® iTouch™ Part Number: 30-3223
SiteSentinel® Integra™ Part Number: 30-0236-LW

Liquid Only Interstitial Sensor

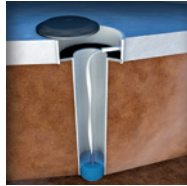
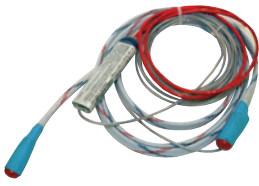
- Used primarily in the interstitial area of double-wall fiberglass tanks
- Can also be used in sumps, dispenser pans and other locations where the presence of liquid could indicate a leak has occurred



SiteSentinel® iTouch™ Part Number: 30-3206
SiteSentinel® Integra™ Smart Part Number: 30-0234-HW-01

Fuel/Water Interstitial Sensor

- Designed for use in the interstitial area of a double-wall tank
- Sensor easily installs and discriminates between fuel and water



SiteSentinel® iTouch™ Part Numbers: 30-3210-06, 30-3207-10 and 30-3207-15
 SiteSentinel® iSite™/Integra™ Smart Part Number: 30-0234-HW-06, 30-0234-HW-15 and 30-0234-HW-20

Fuel/Water Monitoring Well Sensor

- Used in monitoring wells with fluctuating ground water tables
- Detects and discriminates between hydrocarbon liquid and water



SiteSentinel® iTouch™ Part Number: 30-3219-12
 SiteSentinel® iSite™/Integra™ Smart Part Number: 30-0232-DH-10 and 30-0232-DH-20

Fuel Sump Sensor

- Detects liquid hydrocarbons in STP sumps, dispenser pans and other locations where their very presence could indicate a leak has occurred



SiteSentinel® iTouch™ Part Number: 30-3221-2
 SiteSentinel® Integra™ Smart Part Numbers: 30-0232-D-20B and 30-0232-D-10B

Dual-Level Interstitial Sensor

- Designed for use in the brine-filled reservoir of the interstitial area of a fiberglass double-wall tank
- Contains a dual level float switch that detects level changes of fluid in the tank's reservoir



SiteSentinel® iTouch™ Part Number:
 SiteSentinel® Integra™ Smart Part Number: 30-3232-D-10 and 30-3232-D-20

Non-Discriminating Dual Float Sensor

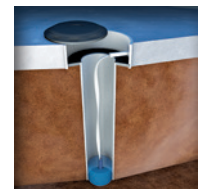
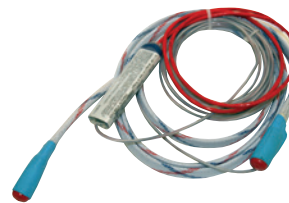
- Detects liquid in STP sumps, dispenser pans and other locations where their very presence could indicate a leak has occurred
- Contains two float switches giving the ability to give a high alarm and high, high liquid alarm



SiteSentinel® iTouch™ Part Number: 30-3222
 SiteSentinel® Integra™ Smart Part Number: 30-0235-V

Hydrocarbon Vapor Sensor

- Detects hydrocarbon vapors in monitoring wells and the interstitial areas of a double-wall tank



SiteSentinel® iTouch™ Part Numbers: 30-3207-06, 30-3207-10 and 30-3207-15
 SiteSentinel® Integra™ Smart Part Number: 30-0234-HW-06, 30-0234-HW-15 and 30-0234-HW-20

Fuel Monitoring Well Sensor

- Used in monitoring wells with fluctuating ground water tables
- Can be placed in the containment areas of tanks, pumps and pipes

Operations in Europe,
Middle East and
Africa

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OPW Retail Fueling

Components and products to protect the environment and the consumer at retail fueling sites for conventional and alternative fuels.

OPW Electronic Systems

Innovative electronic tank gauges and fuel control systems to ensure customers know how much fuel they have and where it is going. Also, Automated Vehicle Wash Systems.

OPW Chemical & Industrial

Safe and efficient loading and unloading of critical hazardous chemicals: loading arms, swivel joints, sight flow indicators, quick and dry disconnect couplers, and safety breakaways.

OPW Transportation

Components and systems for use on Tank Trucks and Rail Tank Cars to ensure the safe handling, loading, transport and unloading of hazardous bulk products, including: petroleum, chemical and dry bulk cargo.