SiteSentinel® Nano® Console

OPW's SiteSentinel® Nano® Console provides simplified, cost-effective inventory and compliance monitoring for retail and commercial fuel sites. With an intuitive touchscreen interface, user-friendly data display settings and sensor support, the Nano is an easy-to-use, right-sized tank-monitoring console for small and mid-size fuel sites.

Featuring SiteSentinel® IntelliSense™ Mixed Multi-drop technology, the Nano reduces installation costs by minimizing the wiring and labor needed for a quick site installation. The gauge can monitor up to 12 probes or 24 smart sensors, or a combination of both.

The Nano provides accurate, real-time inventory data and reporting through a Web-based interface that enables remote management, training, emergency support and upgrades. The console's large touchscreen displays inventory, compliance and delivery statuses, as well as warnings and alarms. User-friendly software provides a "Calendar" view, while a "Favorites" list enables quick recall of the most-used filters, making the Nano one of the most user-friendly tank gauges in the industry.

SiteSentinel® Nano® Console Features

NEW! FEATURES

Part of the

Site Sentinel®
family of products

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

Cost-Effective
With streamlined compliance monitoring and cost-saving multi-drop technology, the Nano delivers the performance sites need at a cost-effective price point.

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 monitoring of critical inventory and compliance information.

◆ Provides streamlined leak monitoring for sites with double-wall tanks, lines

◆ Local or remote PC connection

◆ A "Favorites" list enables quick recall of the most-used filter settings

◆ Calendar view shows both tank and sensor alerts, including deliveries, compliance, alarms and warnings that can be filtered by event and/or tank or sensor

◆ Monitors up to 4 probes (up to 12 per gauge) or 12 sensors (up to 24 per gauge) per barrier position, or a combination of both

◆ Mixed multi-drop technology allows for probes and sensors to be connected to one wire, significantly reducing installation costs

◆ Displays gross- or net-corrected tank volume, ullage, product volume and water, product level and water level, and product temperature for individual tanks

◆ Able to schedule reports to automatically run daily, weekly, monthly or annually

◆ Programmable Automatic Leak Detection performs daily, weekly, and monthly static leak tests

◆ Alarm notifications issued via email and SMS

◆ Console is configured through an HTML web interface. No added hardware or proprietary software is needed for remote connections

Listings and Certifications

c(UL)us   ⟨Ex⟩   CE 1180   ISO 17025 ACCREDITED LABORATORY   IEC

Additional Features

- Optional Tank Overfill Alarm
- With the ability to have 4 optional OM4 Output Modules that each offer 4 relays, functionality is expanded to a total of 16 relays - including 2 on board relays
- Reports include Current Inventory, Delivery History, Events in Progress, Event History, Leak Test
- Auto Detect feature shows the number of devices connected to each of the internal barrier positions after initial set-up – even if wiring configurations change
- Includes address book of contacts for easy reporting configuration via email and SMS
- Networking screen allows user to select either a Static connection or DHCP
- Configurable to meet localized settings (Date/time formats an English/metric units)
- Communicates with most industry standard third-party POS protocols
- Console is configured through an HTML web interface. No added hardware or proprietary software is needed for remote connections

System Alarms and Events

In-Tank Alarms:

- High, Low Temperature
- Reconciliation Theft
- Fail RTD / Thermistor
- Delivery Start / Finish
- In-Tank Leak Test Failure
- In-Tank Test Warning
- Product Level
- Water Level
- Probe Failure

Sensor Alarms:

- Sensor alarms will provide hydrocarbon and water alerts (dependent on type of sensor connected)

Specifications
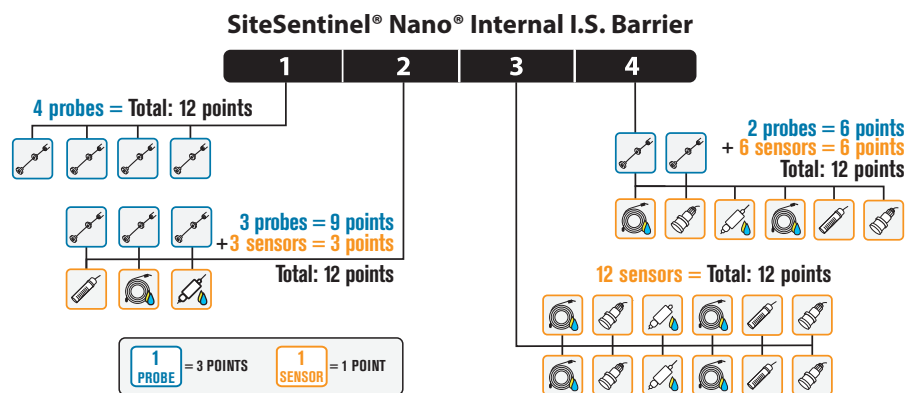
- Dimensions: 8.3 in H x 12.8 in W x 2.4 in D (21 cm H x 32.5 cm W x 6 cm D)
- Power: 120/240 VAC +/-10%, 50/60 Hz, 30 W
- Operating Temperature Range: 32°F to 122°F (0°C to 50°C)
- Display: 7.1 inches (18 cm) color LCD touchscreen display
- Graphical user interface
- Printer: External USB
- Standard Alarms: Buzzer, Light and Acknowledge
- Optional Alarms: External Tank Alert (internal relay)
- Alarm Notifications: Email, SMS
- Network Connectivity: DHCP/ static addressable RJ-45 Ethernet ports, supports corporate and local LANs
- Communication Ports:
  - One (1) RS-232 communication port
  - One (1) RS-485 communication port
  - One (1) RS-422 communication port
  - One (1) Ethernet port
  - Two (2) USB ports
  - Two (2) Internal inputs
  - Two (2) Internal outputs

OPW Mixed Multi-drop Technology

OPW's mixed multi-drop technology allows probes and sensors to be run on one wire back to a tank gauge. This leads to substantial savings on installation labor and wire costs.

With mixed multi-drop, the SiteSentinel® Nano® can hold up to 12 probes or 24 sensors in any number of combinations. Possible combinations are driven by a point system: one probe = three points; one sensor = one point.

Each of the Nano's four barrier positions can hold a total of 12 points, which can be obtained by 4 probes, or 12 sensors or a combination of probes and sensors.

SiteSentinel® Nano® Internal I.S. Barrier

4 probes = Total: 12 points

3 probes = 9 points +3 sensors = 3 points Total: 12 points

2 probes = 6 points + 6 sensors = 6 points Total: 12 points

12 sensors = Total: 12 points

1 PROBE = 3 POINTS   1 SENSOR = 1 POINT