

SiteSentinel

Model 2 Automatic Tank Gauging System



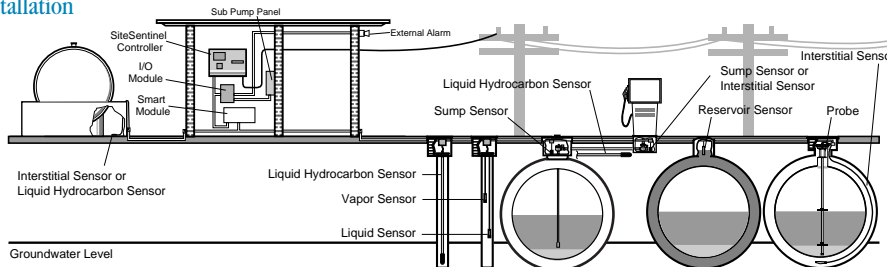
System Features

- Third party-certified to meet EPA performance requirements to ensure compliance with state and federal leak detection regulations.
- Connect any combination of up to 128 probes or sensors to monitor even the largest storage tank facilities.
- Sensors provide continuous leak detection to eliminate downtime.
- Volumetric leak detection can be performed on demand in as little as 2 hours or scheduled to reduce downtime.
- Graphic display summarizes inventory levels and alarm status' at a glance.
- Menu-driven programming makes generating reports quick and easy.
- Smart Modules can be installed up to 5000 ft. (1524 m) from the controller allowing the controller to be located where users need it most.
- Interfaces with cathodic protection and line leak detection systems to provide complete site monitoring.
- Fully programmable thresholds for low-fuel, overfill, high water, theft, external device and leak alarms to meet individual requirements.

Additional Features

- Modular design allows easy configuration to individual needs.
- One audible and one visual alarm indicator on Controller face panel with programmable duration control.

Typical Installation



- Alarm reset button. Two remote alarm devices may be paralleled to the built-in alarms.
- Two external device inputs (closed contact type) provide status monitoring of outboard equipment such as cathodic protection and line leak detection systems.
- Automatic recording of sales and deliveries.
- Each optional Input/Output Module (up to 8 max.) adds 12 output relays and 4 external input channels. Connects to Controller via a twisted-pair cable.
- Reduced installation cost. Probes and sensors may share a single conduit terminating at a Smart Module located near the conduit's point of entry. A twisted-pair cable connects all the Smart Modules and I/O Modules with the Controller located up to 5000 ft. (1524 m) away—eliminates communication wiring conduit.
- Battery backed-up memory preserves data during power failure.
- Programmable correction factors for irregularly-shaped tanks. Supports manifolded tanks.
- Self-diagnostic hardware monitoring with alarm.
- RS-232 serial communications ports available for control by computer, terminal or modem. Internal modem available.

Reports

- May be displayed on the Controller's graphic screen or printed on the internal 40-column, 2-color printer.
- Reports include: delivery, theft, leaks, inventory, system status and configuration.
- Dip chart reports liquid volume at each inch (cm).
- English or metric units of measure.

Sensors

- Testing or activation of sensors is non-destructive.
- Liquid – Activates in contact with any liquid.
- Hydrocarbon vapor – Suitable for vadose zone detection of high and low volatile products.
- Interstitial – Ideal for use in the annular space of double wall tanks. Differentiates between water and liquid motor fuels.
- Universal sump – High-level float switch for containment sumps.
- Liquid phase hydrocarbon – Designed for use in observation wells.
- Hydrostatic reservoir – High/low level detection for liquid-filled tank annulus.

Probe

- Measures product level changes to a resolution of 0.0005 in. (0.0127 mm).
- Measures product temperature changes to a resolution of 0.001° F. (0.0005° C.).
- Measures water level changes to a resolution of 0.01 in. (0.254 mm).
- Automatically transmits personality data to controller on start-up.

