

SiteSentinel® iTouch™ Console

OPW's SiteSentinel® iTouch™ is a multi-function, high-quality tank-monitoring system that provides real-time, accurate inventory information for up to 16 underground storage tanks. The enhanced performance of the SiteSentinel® iTouch™ improves data processing, allows for future system expansion and can be customized to meet each user's needs.

Applications

- ◆ Provides real-time, accurate inventory information
- ◆ Displays gross- or net-corrected tank volume, product level, water level, and temperature for individual tanks
- ◆ Available output module provides multi-purpose relays, which can be used for outputs such as overflow or sensor alarms
- ◆ Third-Party certified automatic or on-demand leak detection meets and/or exceeds U.S. Environmental Protection Agency regulatory requirements

iTouch™ Console Components



System Features



Compliance

The certified leak detection meets or exceeds U.S. EPA regulatory requirements, protecting the environment in and around storage tanks.



Easy-to-Use

The graphic display gives one-touch access to real-time inventory data, delivery status, alarm conditions and leak-detection information.



Automated

Programmable Automatic Leak Detection (ALD) can be set to perform routine required leak tests. The system can automatically e-mail alarms and events.



Connectivity

Monitors up to 16 probes or sensors that can be connected in any combination. Reports can be printed on the external printer or from SiteConnect™ on the PC printer.

- ◆ Graphic touchscreen display uses international user-friendly icons
- ◆ Monitors up to 16 probes and/or sensors that can be connected in any combination
- ◆ Touchscreen provides one-touch access to real-time inventory data, delivery status, alarm conditions and leak detection information
- ◆ SiteConnect™ software, a Windows®-based configuration utility, makes site configuration easy
- ◆ Compatible with SmartTalk® software for enhanced business management and compliance reporting
- ◆ Automatic Leak Detection (ALD) can be programmed to perform daily, weekly, monthly and annually required leak tests. Once programmed, the iTouch system will automatically look for the appropriate quiet time over the course of the day to conduct a static leak test without operator intervention.
- ◆ System provides over 400 programmable correction factors guaranteeing the most accurate tank chart

iTouch™ Additional System Features

- ◆ Meets weights and measures standards in countries where required.
- ◆ Supports international time, date and decimal formats
- ◆ Software is downloadable (Flash RAM) for easy updates
- ◆ System interfaces with most POS devices, supporting standard industry protocols
- ◆ PV4 POS protocol can be modified to meet the needs and requirements of the user.
- ◆ Provides 3 dedicated RS-232 serial communication ports
- ◆ System provides 1 output and 1 input to connect external devices like overflow alarms and line leak detectors
- ◆ Internal power supply automatically switches between 120- and 240-volt power systems
- ◆ Output module (up to 2 modules max.) adds 4 output relays per module to control external devices
- ◆ Density measurement ensures that you receive the expected fuel quality with each delivery
- ◆ System can automatically e-mail alarms and events via TCP/IP
- ◆ Fax-out capability with external modem
- ◆ TCP/IP interface allows easy communications using your local network
- ◆ Increased memory size allows for future system expansion

System Alarms

- ◆ Low-Low Product (shutdown)
- ◆ Low Product (reorder)
- ◆ High Product (alarm)
- ◆ High-High Product (overflow)
- ◆ High Water (warning)
- ◆ High-High Water (alarm)
- ◆ Sensor
- ◆ Leak Detection

Reports

- ◆ System uses international icons to create Inventory, Delivery, System Alarm, and Leak Test reports
- ◆ Reports in Metric or English units of measurement
- ◆ Reports can be printed on the external printer or from SiteConnect™ on the PC printer

Probes and Sensors

- ◆ All probes and sensors are third party certified to meet and/or exceed U.S. Environmental Protection Agency regulatory requirements

Management Reports

- ◆ Inventory, Delivery, Alarm and Leak Reports are available at a touch
- ◆ Reports can be configured to meet localized settings (date/time formats and Metric/English units)

Specifications

Operating Temperature Range:

14° F to 122° F (-10° C to 50° C)

Printer Operating Temperature Range:

32° F to 104° F (0° C to 40° C)

Normal Cabinet Dimensions:

9.3" H x 12.3" W x 5.2" D

(23.5 cm H x 31.1 cm W x 13.3 cm D)

Power Requirements

Input Power: 100-250 VAC, 50/60 Hz, 0.5 A

Input Contact: 12 VDC, 40 mA max.

Output Contact: 30 V-AC/DC, 2A

Output Module Contact: 2A @ 120/240 AC, 2A @ 24VDC

PC Software: SiteConnect™ on CD-ROM is included

Minimum PC Requirements: Pentium® processor, 32 MB RAM, 20 MB available hard disk space, recommended PC screen resolution (800 x 600), Windows 98®, Windows NT® (version SP4 and above), Windows 2000®, Windows XP®, Windows Vista®

Printer: System-powered, graphics 40-column thermal printer includes wall-mounted bracket and a 6 ft (1.8 m) cable. Intrinsically Safe Barrier is ATEX approved.

SiteConnect™ Software

- ◆ Easy to set up and configure your entire site from your PC
- ◆ Configure your system to monitor the quality of your fuel deliveries (density measurement sensor is required)
- ◆ Refresh feature allows you to stay current with product inventory levels at a glance. Inventory changes in your tanks are dynamically updated.
- ◆ View and print inventory, delivery, alarm, leak test, set-up and system diagnostic reports directly from your PC
- ◆ Address book keeps emergency e-mail and fax numbers organized
- ◆ POS protocols selectable through pull-down menus
- ◆ Available in different languages. Pull-down menu allows you to easily select languages.
- ◆ Provides the ability to manage fuel inventory locally or remotely from a centralized office
- ◆ Multiple password levels provide security for data access

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



THE SITESENTINEL® iTOUCH CONSOLE

Leading the way in Automatic Tank Gauging Systems

OPW's SiteSentinel® iTouch is a multi-function, high-quality tank monitoring system that provides real-time, accurate inventory information for up to 16 underground storage tanks. The enhanced performance of the SiteSentinel® iTouch improves data processing, allows for future system expansion and can be customized to meet each user's needs.

Applications

- Provides real-time, accurate inventory information
- Displays gross- or net-corrected tank volume, product level, water level, ullage, and temperature for individual tanks
- Available output module provides multi-purpose relays, which can be used for outputs such as overflow or sensor alarms
- Third Party Certified automatic or on-demand leak detection meets and/or exceeds U.S. Environmental Protection Agency regulatory requirements



Part of the

SiteSentinel®
family of products



COMPLIANCE

The certified leak detection meets or exceeds U.S. EPA regulatory requirements, protecting the environment in and around storage tanks.



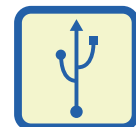
EASY-TO-USE

The graphic display gives one-touch access to real-time inventory data, delivery status, alarm conditions and leak detection information.



AUTOMATED

Programmable Automatic Leak Detection (ALD) can be set to perform routine required leak tests. The system can automatically fax or e-mail alarms and events.



CONNECTIVITY

Monitors up to 16 probes or sensors that can be connected in any combination. Reports can be printed on the external printer or from SiteConnect on the PC printer.



LEADING THE WAY IN TANK GAUGE INNOVATION

SiteSentinel® iTouch

Monitor Your Tanks with Just a Touch

System Features

- Graphic touch-screen display uses international user-friendly icons
- Monitors up to 16 probes and/or sensors that can be connected in any combination
- Touch-screen provides one-touch access to real-time inventory data, delivery status, alarm conditions, and leak detection information
- SiteConnect™ software, a Windows®-based configuration utility, makes site configuration easy
- Compatible with SmartTalk® software for enhanced business management and compliance reporting
- Automatic Leak Detection (ALD) can be programmed to perform daily, weekly, monthly, and annually required leak tests. Once programmed, the iTouch system will automatically look for the appropriate quiet time over the course of the day to conduct a static leak test without operator intervention.
- System provides over 450 programmable correction factors guaranteeing the most accurate tank chart
- Meets Weights and Measures standards in countries where required.
- Supports international time, date and decimal formats
- Software is downloadable (Flash RAM) for easy updates
- System interfaces with most POS devices, supporting standard industry protocols
- PV4 POS protocol can be modified to meet the needs and requirements of the user.
- Provides three dedicated RS-232 serial communication ports
- System provides one output and one input to connect external devices like overfill alarms and line leak detectors
- Internal power supply automatically switches between 120 and 240-volt power systems
- Output Module (up to 2 modules max.) adds 4 output relays per module to control external devices
- Density measurement ensures that you receive the expected fuel quality with each delivery.
- System can automatically e-mail alarms and events via TCP/IP
- Fax-out capability with external modem
- TCP/IP interface allows easy communications using your local network
- Increased memory size allows for future system expansion

System Alarms

- Low-Low Product (shutdown)
- Low Product (reorder)
- High Product (alarm)
- High-High Product (overfill)
- High Water (warning)
- High-High Water (alarm)
- Sensor
- Leak Detection
- External Output Module Relays
- Leak Test Required
- Density Out of Range



Reports

- System uses international icons to create Inventory, Delivery, System Alarm, and Leak Test reports
- Reports in Metric or English units of measurement
- Reports can be printed on the external printer or from SiteConnect™ on the PC printer

Probes and Sensors

- All probes and sensors are third party certified to meet and/or exceed US Environmental Protection Agency regulatory requirements

Specifications

Operating Temperature Range: -10° C to 50° C (14° F to 122° F)
Printer Operating Temperature Range: 0° C to 40° C (32° F to 104° F)

Normal Cabinet Dimensions: 23.5 cm H x 31.1 cm W x 13.3 cm D (9.3" H x 12.3" W x 5.2" D)

Power Requirements

Input Power: 100-250 VAC, 50/60 Hz, 0.5 A

Input Contact: 12VDC, 40 mA max.

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Management Reports

- Inventory Delivery, Alarm and Leak Reports are available at a touch
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SiteConnect™ Software

- Easy to set-up and configure your entire site from your PC
- Configure your system to monitor the quality of your fuel deliveries (density measurement sensor is required)
- Refresh feature allows you to stay current with product inventory levels at a glance. Inventory changes in your tanks are dynamically updated.
- View and print inventory, delivery, alarm, leak test, set-up and system diagnostic reports directly from your PC
- Address book keeps emergency e-mail and fax numbers organized
- POS protocols selectable through pull down menus
- Available in different languages. Pull down menu allows you to easily select languages.
- Provides the ability to manage fuel inventory business locally or remotely from a centralized office
- Multiple password levels provide security for data access



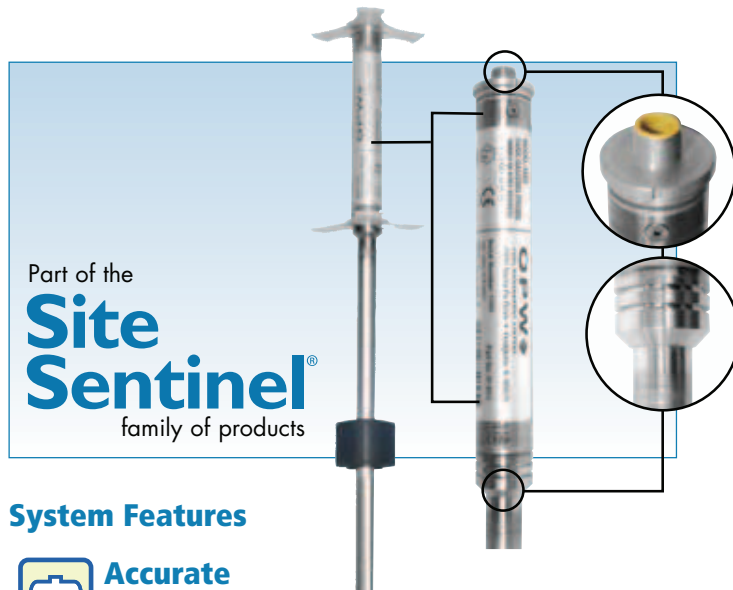
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924B Magnetostrictive Probe

Trouble-free accuracy with proven magnetostrictive probe technology. Highly accurate, easy-to-use performance for inventory management and in-tank leak detection. Unlike competitive probes that have to be upgraded to handle different liquids, the 924B Probe comes standard in stainless steel and can be used with most petroleum products. The probe also measures water level, providing information to ensure product quality.



System Features



Accurate

Five-point temperature sensing element provides exact temperature compensation for product volume contraction and expansion, allowing for accurate inventory management and in-tank leak detection.



Easy-to-Use

Automatically transmits probe profile to SiteSentinel® iSite™ on start-up, eliminating programming errors.



Installation

Adjustable probe head centering disks provide a tight fit inside risers with diameters ranging from 2" (5.1 cm) to 4" (10.2 cm).



Compliance

Supports programmable ALD (Automatic Leak Detection) to perform daily, weekly, monthly and annually required leak tests as well as 24-hour continuous monthly leak tests (for SiteSentinel® iSite™ only).

- ◆ All stainless steel construction
- ◆ Welded construction – eliminates potential leak points
- ◆ Level 1 probe - 1 probe for all applications
- ◆ Easy Installation: Can “daisy-chain” up to 4 probes on one IS channel (SiteSentinel® iSite™ only) which makes installation easier and less time consuming
- ◆ Optional Density Float provides a measure of even the slightest changes in product quality within the specified API density range.

Compliance

- ◆ The system is certified to meet or exceed U.S. Environmental Protection Agency's performance standards for 0.1 gph (0.38 lph) volumetric tank tightness testing and 0.2 gph (0.76 lph) monthly monitoring
- ◆ Supports ALD with SiteSentinel® ATG family

Magnetostrictive Probe Data

- ◆ Measures product level changes to a resolution of 0.0005" (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" (0.254 mm)
- ◆ Linearity over the entire probe length is ± 0.04" (1 mm)

Leak Test Performance

- ◆ Third-party certified to meet U.S. EPA leak detection requirements (static) in tanks up to 20,000 gallons (76,000 liters)
- ◆ 0.2 gph (0.76 lph) Static Leak Test: 98.18% Pd, 1.82% Pfa
- ◆ 0.1 gph (0.38 lph) Static Leak Test: 96.5% Pd, 3.5% Pfa
- ◆ 0.2 gph (0.76 lph) Automatic Leak Detection (ALD)
- ◆ 0.1 gph (0.38 lph) Automatic Leak Detection (ALD)

Probe Specifications

Type: Magnetostrictive/float

Material: Stainless steel body, aluminum cap

Location: Hazardous, Class 1, Division 1, Group D

Temperature: 5 RTDs

Temperature Range: -40° F to 140° F (-40° C to 60° C)

Data Cable: 1,000' (300 m) Belden 88760

500' (150 m) max. Belden 88761

Probe Length

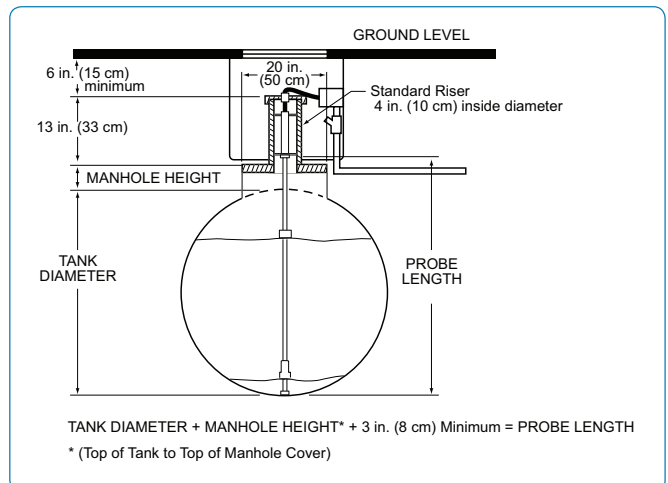
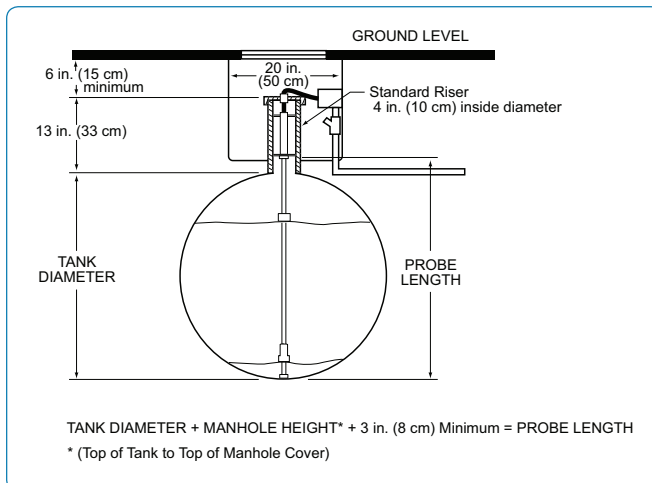
Part No.	Description
30-B053	53" (135 cm)
30-B069	69" (175 cm)
30-B077	77" (196 cm)
30-B089	89" (226 cm)
30-B101	101" (257 cm)
30-B105	105" (267 cm)
30-B113	113" (287 cm)
30-B125	125" (317 cm)
30-B137	137" (350 cm)
30-B149	149" (376 cm)

Probe Float Kits

Part No.	Description
30-1509-02	2" (5.1 cm) Gas/Water Nitrophenyl Float Kit
30-1509-01	2" (5.1 cm) Diesel/Water Nitrophenyl Float Kit
30-3232	2" (5.1 cm) Density Measurement Kit
30-1508-02	4" (10.2 cm) Gas/Water Nitrophenyl Float Kit
30-1508-01	4" (10.2 cm) Diesel/Water Nitrophenyl Float Kit

Stainless steel floats available upon request

Note: No leak testing available with stainless steel floats



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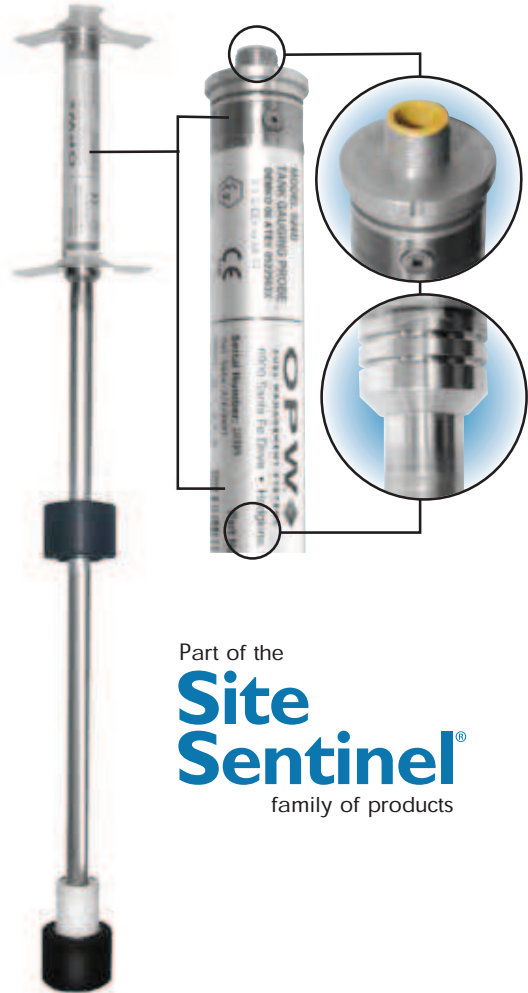


924B MAGNETOSTRICTIVE PROBE

Trouble-free accuracy with proven magnetostrictive probe technology

Highly accurate, trouble-free performance for inventory management and in-tank leak detection. Unlike competitive probes that have to be upgraded to handle different liquids, the 924B probe comes standard in stainless steel and can be used with most petroleum products. The probe also measures water level, providing information to ensure product quality.

- All stainless steel construction
- Welded construction – eliminates potential leak points
- Level 1 probe - one probe for all applications
- Easy Installation: Can "daisy-chain" up to 4 probes on one IS channel (SiteSentinel® iSite™ only) which makes installation easier and less time consuming
- Optional Density Float provides a measure of even the slightest changes in product quality within the specified API density range.

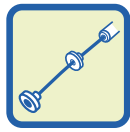


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family of products



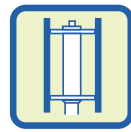
ACCURATE

Five-point temperature sensing element provides exact temperature compensation for product volume contraction and expansion, allowing for accurate inventory management and in-tank leak detection.



EASY-TO-USE

Automatically transmits probe profile to SiteSentinel® iSite™ on start-up, eliminating programming errors.



INSTALLATION

Adjustable probe head centering disks provide a tight fit inside risers with diameters ranging from 2" (5.1 cm) to 4" (10.2 cm).



COMPLIANCE

Supports programmable ALD (Automatic Leak Detection) to perform daily, weekly, monthly, and annually required leak tests as well as Segmented Leak Detection (SLD) for 24-hour continuous monthly leak tests (for SiteSentinel® iSite™ only).



Compliance

- The system is certified to meet and exceed U.S. Environmental Protection Agency's performance standards for 0.1 gph (0.38 lph) volumetric tank tightness testing and 0.2 gph (0.76 lph) monthly monitoring
- Supports ALD with SiteSentinel® ATG family and supports SLD with SiteSentinel® iSite™

Magnetostrictive Probe Data

- Measures product level changes to a resolution of 0.0005" (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" (0.254 mm)
- Linearity over the entire probe length is ± 0.04" (1 mm)

Leak Test Performance

- 3rd party certified to meet US EPA Leak Detection requirements (Static and SLD) in tanks up to 20,000 gallons (76,000 liters)
- 0.2 gph (0.76 lph) Static Leak Test: 98.18% Pd, 1.82% Pfa
- 0.1 gph (0.38 lph) Static Leak Test: 96.5% Pd, 3.5% Pfa
- 0.2 gph (0.76 lph) Automatic Leak Detection (ALD)
- 0.1 gph (0.38 lph) Automatic Leak Detection (ALD)
- 3rd party certified to meet US EPA Leak Detection requirements (SLD) in tanks up to 35,000 gallons (132,475 liters)
- 0.2 gph (0.76 lph) Continuous Leak Test (SLD), 99.1% Pd, 0.9% Pfa Certified Probe 35,000 Gallon Tank (132,475 liters)

Certifications



Probe Specifications

Type: Magnetostrictive/Float
 Material: Stainless Steel Body, Aluminum Cap
 Location: Hazardous, Class 1, Division 1, Group D
 Temperature: 5 RTDs
 Temperature Range: -40° to 140° F (-40° to 60° C)
 Data Cable: 1000' (300 m) Belden 88760
 500' (150 m) max. Belden 88761

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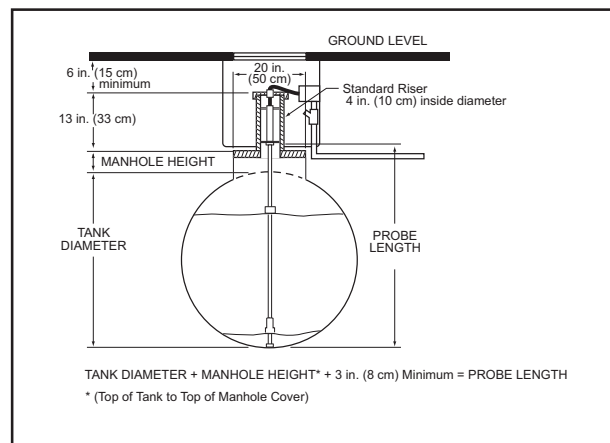
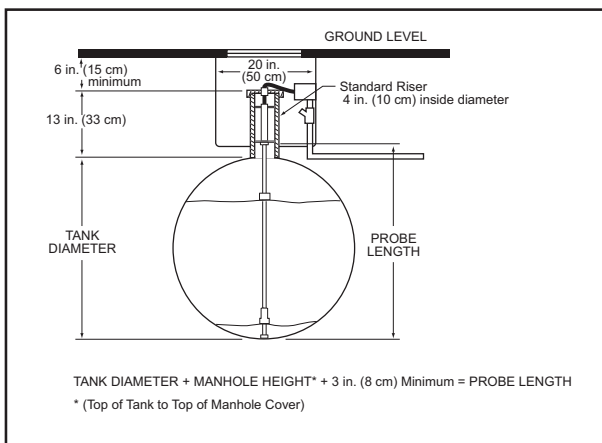
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30-3232	2" (5.1 cm) Density Measurement Kit
30-1508-02	4" (10.2 cm) Gas/Water Nitrophenyl Float Kit
30-1508-01	4" (10.2 cm) Diesel/Water Nitrophenyl Float Kit

4" Float Kit required for SLD feature

Stainless steel floats available upon request

Note: No leak testing available with stainless steel floats



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