

Hydrostatic Sensor

For use with Veeder-Root 300 & 350 series tank gauges



Veeder-Root's Hydrostatic Reservoir Sensor accurately detects fluid level change in the reservoir and interstice of a double-wall storage tank or line. Dual-point and single-point technology models are ideal for locations with high or low water tables.

The Dual-Point Hydrostatic Sensor is ideal for high groundwater areas, and can differentiate between a high-level alarm condition and a low-level alarm condition. If an inner-wall leak occurs, the brine solution seeps into the tank or line primary space lowering the brine level in the reservoir. The Dual-Point Sensor will then trigger a low level alarm. If an outer-wall leak occurs, the groundwater seeps into the reservoir. The Dual-Point Sensor will then trigger a high level alarm.

The Single-Point Sensor is ideal for low groundwater areas, since it only detects low-level alarm conditions. If an inner wall leak occurs, the brine solution seeps into the tank. If an outer-wall leak occurs, the brine solution leaks out of the tank. In both cases, the brine level decreases and the Single-Point Sensor triggers a low level alarm. This Sensor should not be used to monitor the secondary space of a pressurized line.



Single-Point Sump Sensor shown in 6.0" configuration length.

Features

Dual-Point Sensor alarm conditions:

- Leak in inner wall triggers a low level alarm
- Leak in outer wall triggers a high level alarm in high groundwater areas; low level alarm in low groundwater areas.
- Designed to meet California's requirement for secondary space monitoring for tanks and lines as required by AB 2481.

Single-Point Sensor alarm conditions:

- Leak in inner or outer wall triggers a low level alarm in low groundwater areas.
- Designed to meet California's requirement for secondary space monitoring for tanks as required by AB 2481.

Temperature Rating

Storage:

-40 degrees C to + 60 degrees C

Operating:

-25 degrees C to +50 degrees C

Rests in salt brine solution of up to 30% calcium chloride

Cable length:

12 feet

Standard Models

Sensor Form Number:794380-301

Description: Single-Point Hydrostatic Reservoir Sensor

Sensor Form Number:794380-303

Description: Dual-Point Hydrostatic Reservoir Sensor

Single-Point Sensor Dimensions:

6.0" high, 2.5" diameter

Dual-Point Sensor Dimensions:

17.3" high, 2.5" diameter

- Withstands removal from reservoir several times a year without sensor damage
- Clear plastic housing for visual inspection of float operation

Hydrostatic Reservoir Sensor Console Capability

The Series 7943 Hydrostatic Reservoir Sensor is compatible with the following consoles:

Console	Series
TLS-350R*	8482
TLS-350*/TLS-350J*	8470
TLS-300i	8485

*Note: An Interstitial Sensor Interface Module is required for the use of the Hydrostatic Sensors with the TLS-350, TLS-350J, EMC and TLS-350R Consoles.

For more information call

1-888-561-7942



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