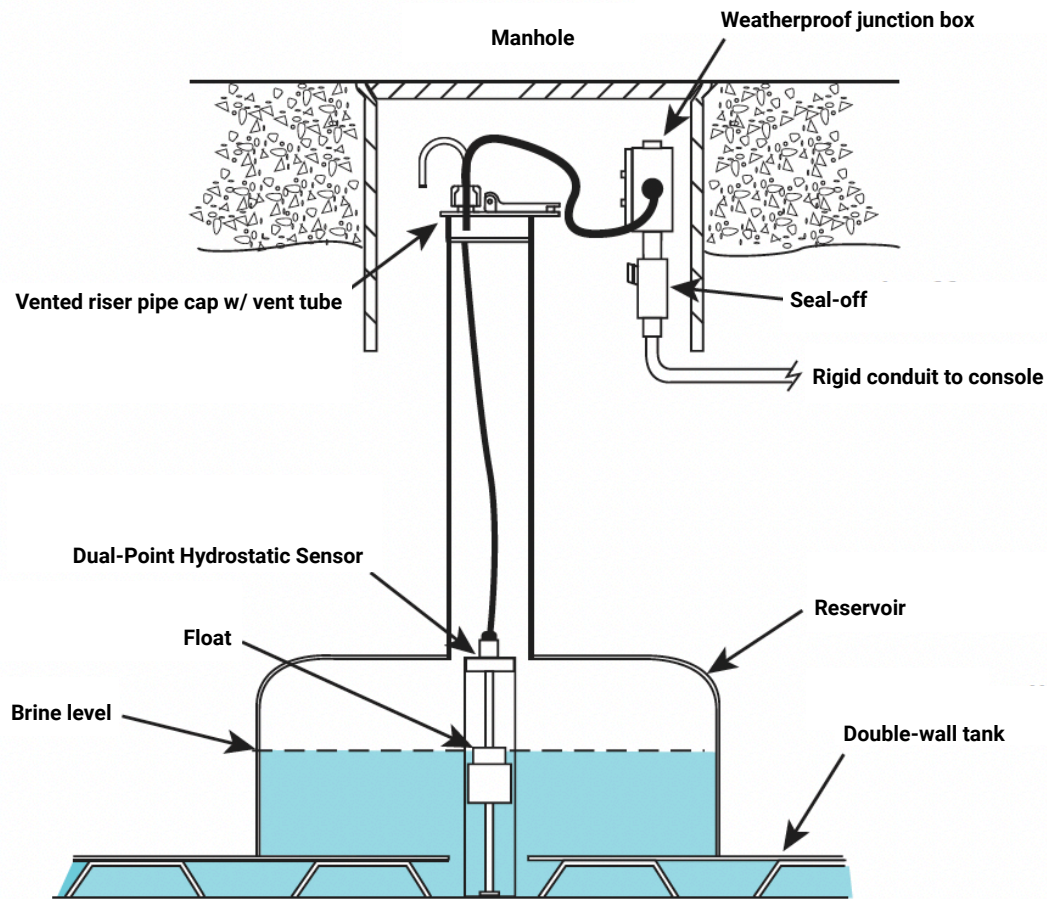| Sensor Description	Dual-Point Hydrostatic Reservoir Sensor (Brine-Filled Double-Wall Tank Sensor)	The Hydrostatic Reservoir Sensor accurately detects fluid level change in the reservoir and interstice of a double wall storage tank. The Dual-Point version is ideal for high groundwater areas, and can differentiate between a high level alarm condition and a low level alarm condition. If an inner-wall leak occurs, the brine seeps into the tank triggering a low level alarm. If an outer wall leak occurs, fluid seeps into the interstice triggering a high level alarm.
Part Number	**0794380-303**	

Category		
☐ Discriminating		☐ Level Sensing
☐ Non-Discriminating		☐ Static Testing
☐ Position Sensitive		☑ Hydrostatic

Fuel Compatibility

☑ Gas	☑ E-15	☑ Green Diesel
☑ Diesel	☑ E-85[1]	☐ DEF
☑ Kerosene	☐ E-100	☑ Waste Oil
☑ Jet Fuel	☑ Bio-Diesel 20	☑ Motor Oil
☑ Aviation Gas	☑ Bio-Diesel 100[2]	

[1]Single use only (Test per Sensor Operability Guide in E-10 or less)
[2]Single use only (Test per Sensor Operability Guide in B-20 or less)

Console Compatibility	Recommended Min. Console Software	Sensor Interface Modules				
		Module Part #	Module Description	# of Modules per Console	# of Sensor Inputs per Module	Availability
TLS-450PLUS (8600 Series)	6.A or Higher	0332812-001	Universal Sensor Module (USM)	Up to 4 – TLS-4xx Up to 8 – TLS-4xx w/ opt. TLS-XB	16	Sold Separately
TLS-450	4.A or Higher					
TLS4 (8601 Series)	6.A or Higher	0330020-750	Universal Sensor Input/Output Module (USIOM-AC)	1	12	Included
TLS4i (8601 Series)						
TLS4B (8601 Series)		0330020-751			6	
TLS4c (8601 Series)						
TLS-350/R/PLUS	124/324 or Higher	0329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J		0329356-003	4 Probe / 4 Sensor Interface Module	1	4	Sold Separately
TLS-300i		0330230-001	4 Probe / 8 Sensor Interface Module		8	Included

Alarm Notification		
	Normal	Float is in the Center position (correct amount of brine in reservoir)
	Low Liquid	Brine drops below 1.2" (3cm)
	High Liquid	Brine rises above 13.13" (33.4cm)
	Sensor Out	Sensor not communicating to ATG/Console

Specifications	
Operating Principle	Reed Switch / Float
Product Activation Height	Low: 1.2" (3cm), High: 13.13" (33.4cm)
Operating Temp	-13°F to +122°F (-25°C to +50°C)
Dimensions	17.3" (43.9cm) high, 2.5" (6.4cm) diameter
Miscellaneous/Notes	• Standard Cable Length: 12' (3.65m) • Vented riser cap assembly included • Reservoir solutions: Up to 50% ethylene glycol in water; up to 50% propylene glycol in water; salt brine solution of up to 30% CaCl.

Specifications (Continued)	
Third Party Evaluation Links	TLS-3XX/TLS-450 Series Consoles TLS4 (8601 Series) Consoles
Product Link	Dual-Point Hydrostatic Reservoir Sensor
Warranty with System	1 Year Parts & Labor
Warranty (When purchased separately)	1 Year Parts Only
Where Used (Typical)	☐ Dispenser Pan ☑ Annular Space ☐ Spill Containment ☐ Monitoring Well ☐ STP Sump ☐ Oil/Water Separator Tank ☐ Convault Tank

Example Installation

Manhole

Weatherproof junction box

Vented riser pipe cap w/ vent tube

Seal-off

Rigid conduit to console

Dual-Point Hydrostatic Sensor

Reservoir

Float

Brine level

Double-wall tank

Notice

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Example Illustrations

Illustrations used in this guide for example sensor installations may contain components that are customer supplied and not included with the sensor. Please check with your Veeder-Root Distributor for recommended installation accessories.

Third Party Evaluations

Third party evaluations of the Veeder-Root sensors contained in this application guide can be found under the Veeder-Root vendor name on the National Work Group on Leak Detection Evaluations (NWGLDE) website: http://www.nwglde.org