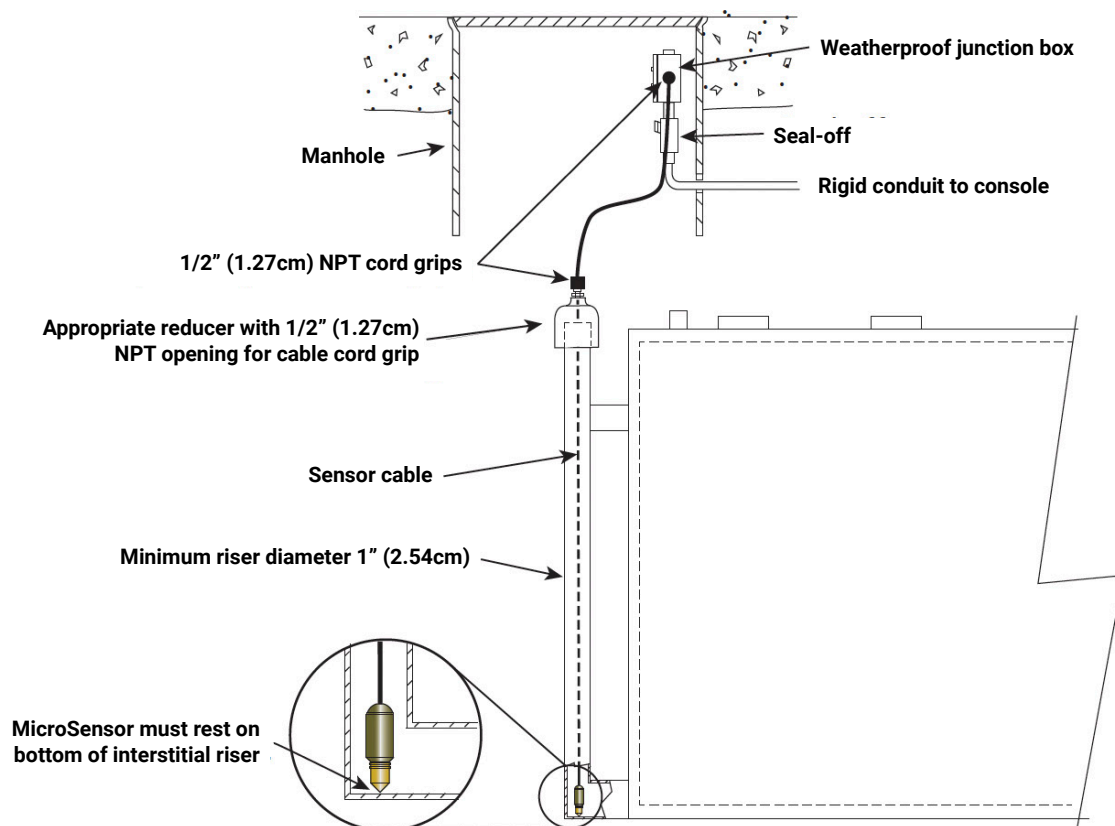| Sensor Description	MicroSensor	The non-discriminating small, easy to install solid-state MicroSensor is designed to detect liquid in the interstitial space of a steel tank or a fill riser containment.
Part Number	**0794380-344**	

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

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

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	0329956-001	Type A Interface Module	Up to 8	8	Sold Separately

Alarm Notification	Normal	Sensor in Normal State – No liquid detected
	Fuel Alarm	Liquid detected at a minimum of 1" (2.54cm)
	Sensor Out	Sensor not communicating to ATG/Console

Installation Kit	0312020-928	2" (50mm) Interstitial Sensor Riser Cap and Adapter Kit (Sold Separately)

Specifications	
Operating Principle	Optical
Product Activation Height	1" (2.54cm)
Operating Temperature	-40°F to +122°F (-40°C to +50°C)
Dimensions	Diameter: 0.63" (16mm), Length: 2" (51mm)
Miscellaneous/Notes	Standard Cable Length: 25' (7.6m); 0312020-928 (2" (50mm) Riser Cap and Adapter Kit)
Third Party Evaluation Links	TLS-350/TLS-450 Series Consoles TLS4 (8601 Series) Consoles
Product Link	MicroSensor
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

Weatherproof junction box

Seal-off

Manhole

Rigid conduit to console

1/2" (1.27cm) NPT cord grips

Appropriate reducer with 1/2" (1.27cm)
NPT opening for cable cord grip

Sensor cable

Minimum riser diameter 1" (2.54cm)

MicroSensor must rest on
bottom of interstitial riser

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