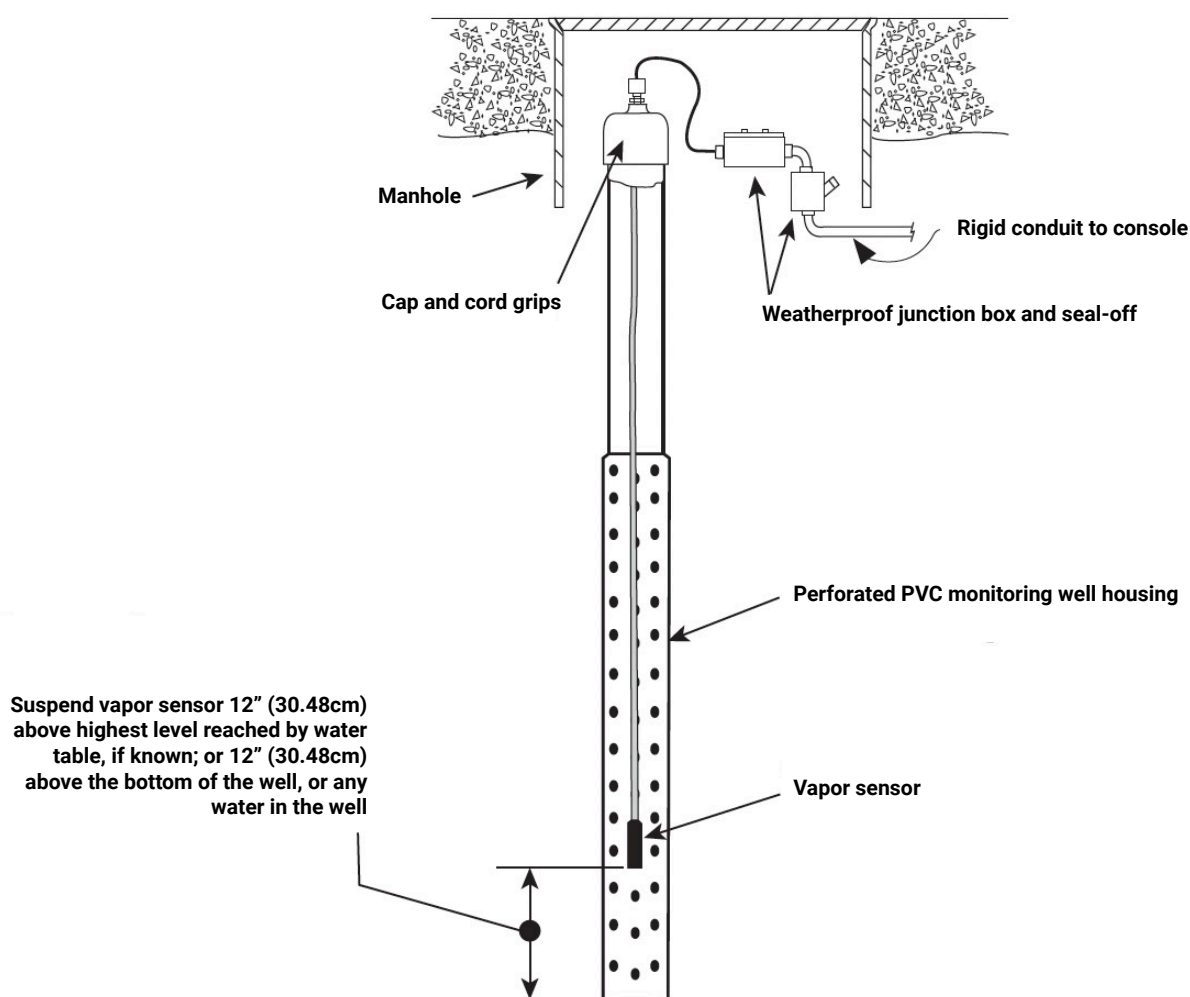| Sensor Description	Vapor Sensor	The Vapor Monitoring Well Sensor detects hydrocarbon vapor exceeding the programmed threshold limit in the monitoring well.
Part Number	**0794390-700**	

Category	☐ Discriminating ☑ Vapor ☐ Non-Discriminating ☐ Static Testing ☐ Position Sensitive ☐ Groundwater ☐ Level Sensing ☐ Oil/Water Separator ☐ 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

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	8	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	6	Included
TLS4i (8601 Series)						
TLS4B (8601 Series)		0330020-751			4	
TLS4c (8601 Series)						
TLS-350/R/PLUS	124/324 or Higher	0329357-001	Vapor Sensor Interface Module	Up to 8	5	Sold Separately

Alarm Notification	Short Alarm	A short has occurred in the sensor wiring or in the sensor
	Water Alarm	The vapor sensor is immersed in water and is incapable of detecting fuel vapors
	Fuel Alarm	Fuel vapors are present in the area being monitored by the sensor
	Sensor Out Alarm	Sensor setup was performed incorrectly; it is disconnected, or, it is not functioning properly
Installation Kit	0312020-939	4" (100mm) Vapor Sensor Riser Cap (Sold Separately)

Specifications	
Operating Principle	Adsistor
Product Activation Height	Gasoline Vapor >500 ppm
Operating Temperature	-4°F to +140°F (-20°C to +60°C)
Dimensions (Sensor)	4.9" (12.4cm) long, 1.1" (2.8cm) diameter
Miscellaneous/Notes	Standard Cable Length: 18' (5.5m)
Third Party Evaluation Links	TLS-350/TLS-450 Series Consoles TLS4 (8601 Series) Consoles
Product Link	Vapor 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

Cap and cord grips

Rigid conduit to console

Weatherproof junction box and seal-off

Perforated PVC monitoring well housing

Suspend vapor sensor 12" (30.48cm) above highest level reached by water table, if known; or 12" (30.48cm) above the bottom of the well, or any water in the well

Vapor sensor

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