Sensor Products

Application Guide



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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

Sensor Application Matrix	1
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Sensor Application Matrix

					Who	ere U	lsed					Cate	gory	7							Fuel	Con	patil	bility	,				
													ASTM D975			ASTM D7547				ASTM D7467	ASTM D6751	ASTM D975							
Sensor Description	Form #	Page #	Dispenser Pan	Spill Containment	STP Sump	Convault Tank	Annular Space	Monitoring Well	Oil/Water Separator tank	Discriminating	Non-Discriminating	Position Sensitive	Level Sensing	Static Testing	Hydrostatic	100% Gasoline	Diesel	Kerosene	Jet Fuel	Aviation Gas	E-15	E-85	E-100	Bio-Diesel 20	Bio-Diesel 100	Renewable (Green) Diesel	Diesel Exhaust Fuel (DEF)	Waste Oil	Motor Oil
DPS Standard Dispenser Pan	794380-322	2	Х	Х						Χ						Х	Х	Х	Х	Х	Х	X ¹		Х		Х		Х	х
CSS Standard Containment Sump	794380-352	3		х	Х					Х						Х	Х	х	Х	Х	Х	X ¹		Х		Х		Х	Х
DPO Optical Dispenser Pan	794380-320	4	Х	Х						Χ						Х	Х	Х	Х	Х	Х	X ¹		Х		Х		Х	Х
CSO Optical Containment Sump	794380-350	5		х	х					Х						Х	Х	х	Х	х	х	X ¹		Х		Х		Х	Х
MSS Mag Sump Sensor	857080-XXX	6	Х	Х	Х					Х		Х	Χ	Х		Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
SSDP Solid-State Dispenser Pan	794380-321	7	Х	х							Х					Х	Х	х	Х	х	Х			Х	Х	Х		Х	Х
SSCS Solid-State Containment Sump	794380-351	8		х	Х						Х					Х	Х	х	Х	х	х			Х	х	Х		Х	х
Piping Sump	794380-208	9	Χ	Х	Х						Χ					Χ	Χ	Х	Χ	Х	Х			Х		Х		Х	Х
Non-Discriminating Standalone Dispenser Pan	847990-001	10	Х	х	Х						Х					Х	Х	х	Х	Х	х			Х		Х		Х	х
Position-Sensitive	794380-323	11	Х	Х	Х						Х	Х				Х	Х	Х	Х	Х	X	Х	Х	X		X		Х	Х
Interstitial for Fiberglass Tanks, Discriminating	794380-343	12					Х			Х						Х	Х	х	Х	х	х			Х	х	Х	х	Х	х
Interstitial for Fiberglass Tanks	794390-409	13					Х				Х					Х	Х	х	Х	Х	х			Х		Х			
Interstitial for Fiberglass Tanks, High Alcohol	794380-345	14					Х				Х					Х	х	х	Х	х	х	х	Х	Х	х	х	х	Х	х
Interstitial for Steel Tanks	794390-4X0	15			Х		Х				Χ					Х	Х	Х	Χ	Х	Х			Х		Х		Х	Х
Interstitial for Steel Tanks, Position Sensitive ²	794380-333	16		х			х				Х	х				х	х	х	Х	х	х	х	х	х	x	х		Х	x
Interstitial for Steel Tanks, High Alcohol	794380-430	17					Х				Х					Х	х	х	Х	х	х	Х	Х	Х	х	Х		Х	Х
Interstitial for Steel Tanks, High Alcohol, small footprint	794380-344	18		х			Х				Х					Х	Х	х	Х	х	х	х	Х	Х	х	Х	х	Х	Х
Hydrostatic Reservoir (Dual Point)	794380-303	19					х								Х	Х	х	х	Х	х	х	X ¹	X¹	Х		х		Х	Х
Single-Point Hydrostatic Sensor	794380-301	20					Х								х	Х	Х	х	Х	х	х	X ¹	X ¹	Х		Х			
Single-Point Mini-Hydrostatic Reservoir (High Alcohol)	794380-304	21					Х								Х	Х	Х	х	Х	х	х	Х	Х	Х	х	х		Х	Х
Vapor	794390-700	22						Х								Х			Х	Х	Х								
Groundwater	794380-62X	23						Х								Х	Х	Х	Х	Х	Х			Х		Х		Х	Χ
Oil / Water Separator	794690-XXX	24							Х							Χ	Х	Х	Χ	Х	Х			Х				Х	Х

¹Single use only if sensor was exposed to E85 or E100 (Test per Sensor Operability Guide [P/N 577013-814] in E-10 or less)

 $^{^2 \}mathrm{Small}$ Containment Areas (i.e. Spill Buckets)

Sensor Description	Discriminat- ing Dispenser Pan Sensor	1 ''	nating sensor is installed in a c erentiate between, hydrocarbo	dispenser pan and will detect the ons and other liquids.	Sensor Matrix	>			
Form Number	794380-322								
Where Used (Typical)	✓ Dispenser Par ✓ Spill Containn ☐ STP Sump ☐ Convault Tank	nent Monitoring N		Category ✓ Discriminating ☐ Non–Discriminating					
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E–15 ✓ E–85¹ □ E–100 ✓ Bio–Diesel 20 □ Bio–Diesel 100 Bio–Diesel 100		Position Sensitive Level Sensing Static Testing Hydrostatic					
Console Compatibility	Recommended		;	Sensor Interface Modules					
(International Only ²)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability			
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX Up to 8 - TLS-4XX w/opt, TLS-XB	16	Sold Separately			
TLS-450	4A or Higher	332812-001	(USM)	υμ το ο - 1L3-4λλ W/υμτ, 1L3-λΒ					
² TLS4 (8601 Series)	-	330020-750			12				
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input/Out- put Module (USIOM-AC)	1		Included			
² TLS4B (8601 Series)	_	330020-751	put Module (objoin Ao)		6				
TLS4c (8601 Series)		330020-751							
TLS-350/R/PLUS		329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately			
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately			
TLS-300i	riigiloi	330230-001	4 Probe / 8 Sensor Interface Module	1	8	Included			
TLS-300C		330513-001	2 Probe / 8 Sensor Options						
Alarm Notification	Normal	Sensor in Normal Sta	te- No liquid detected						
	Low Liquid	•	minimum of 1.37" (3.48cm)						
	High Liquid	· ·	minimum of 7.66" (19.45cm)						
	Fuel Alarm	Permeable material							
L	Sensor Out		cating to ATG / Console						
Installation Kit	330020-012	Universal Sensor Mo	unting Kit (Sold separately)						
Specifications Special	Dood of Door of	- D101-1-/511	Example Installation						
Operating Principle Product Activation Height	Gas - 0.125" (3.1	e, Reed Switch /Float 75mm); Water - Iow	_	U-char	nnel				
Operating Temp	+32 to +140°F (0	igh 7.66" (19.45cm) to +60°C)			ckets, clamp, etc., from versal sensor mounting	kit			
Dimensions	,	gh, 2.2" (5.6cm) dia.			g				
Miscellaneous / Notes	Standard Cable Le	· , ,	Cord grip	✓ ☐ ✓ Weath	nerproof junction box wit ch N.P.T. threads (16 cu	h ibic			
Third Party Evaluation Links	TLS-3XX/TLS-450 TLS4 (8601 Series	Series Consoles	Product line	inch	volume minimum). Seal-off				
Product Link		spenser Pan Sensor	Dispenser containment		– Rubber grommet sea	İ			
Warranty with System	1 Yr Parts & Labor		sump		clamped on inside - or as recommended by				
Warranty (When purchased separately)	1 Yr Parts Only		IMPORTANTI DO NOT MOUNT SI FLEXIBLE PRODU	CT LINE. 4/2	dispenser pan manuf 2" Rigid conduit console — Dispenser pan senso				
		Dispenser pan sensor should: 1. Rest in the cup or the lowest point of the dispenser containment sump. 2. Be positioned so as to be removable by pulling the sensor straight up out of the pan. 3. Be mounted in a true vertical position.							

Sensor Description	Discriminating Containment Sump Sensor		nating sensor is installed in a o I differentiates between, hydrod	containment sump area. It detects carbons and other liquids.	Sensor Matrix	Back			
Form Number	794380-352				!				
Where Used (Typical)	☐ Dispenser Pan ☑ Spill Containmer ☑ STP Sump ☐ Convault Tank	Annular Space Monitoring We	ell	Category ✓ Discriminating ☐ Non–Discriminating ☐ Position Sensitive					
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	☑ E-85 ¹ □ E-100	✓ Green Diesel DEF ✓ Waste Oil ✓ Motor Oil	Level Sensing Static Testing Hydrostatic					
Console Compatibility	Recommended		!	Sensor Interface Modules					
(International Only ²)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability			
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately			
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt, TLS-XB	10	Join Jopanalely			
² TLS4 (8601 Series)		330020-750			12				
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1	"2	Included			
² TLS4B (8601 Series)	OA OF HIGHE	330020-751	put Module (USIOM-AC)	1		Illicianen			
TLS4c (8601 Series)		330020-751			6				
TLS-350/R/PLUS		329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately			
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately			
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module	1	8	Included			
TLS-300C		330513-001	2 Probe / 8 Sensor Options						
Alarm Notification	Normal	Sensor in Normal Sta	ate- No liquid detected						
	Low Liquid	•	minimum of 1.35" (3.4cm)						
	High Liquid	,	minimum of 12.28" (31.19cm)						
	Fuel Alarm	Permeable material							
	Sensor Out		cating to ATG / Console						
Installation Kit	330020-012	Universal Sensor Mo	unting Kit (Sold separately)	į					
Specifications			Example Installation						
Operating Principle Product Activation Height	Product Permeable, Gas - 0.125" (3.175	imm); Water - low		ntainment — 1/2" NPT We cord grip be supplied be	eatherproof junction x				
Operating Temp	1.35" (3.4cm), High +32 to +140°F (0 to		pump	w/cable /					
Dimensions	22.1" (56.1cm) high		Containment		/— Seal-off				
Miscellaneous / Notes	Standard Cable Len		sump						
Third Party Evaluation Links	TLS-3XX/TLS-450 S TLS4 (8601 Series)	Series Consoles							
Product Link	Discriminating Cont Sump Sensor	ainment	IMPORTANT! DO NOT MOUNT SENSOR TO FLEXIBLE PRODUCT LINE.						
Warranty with System	1 Yr Parts & Labor		Product line						
Warranty (When purchased separately)	1 Yr Parts Only			Bracke	ets, clamp, etc., from al Universal Sensor ng Kit				

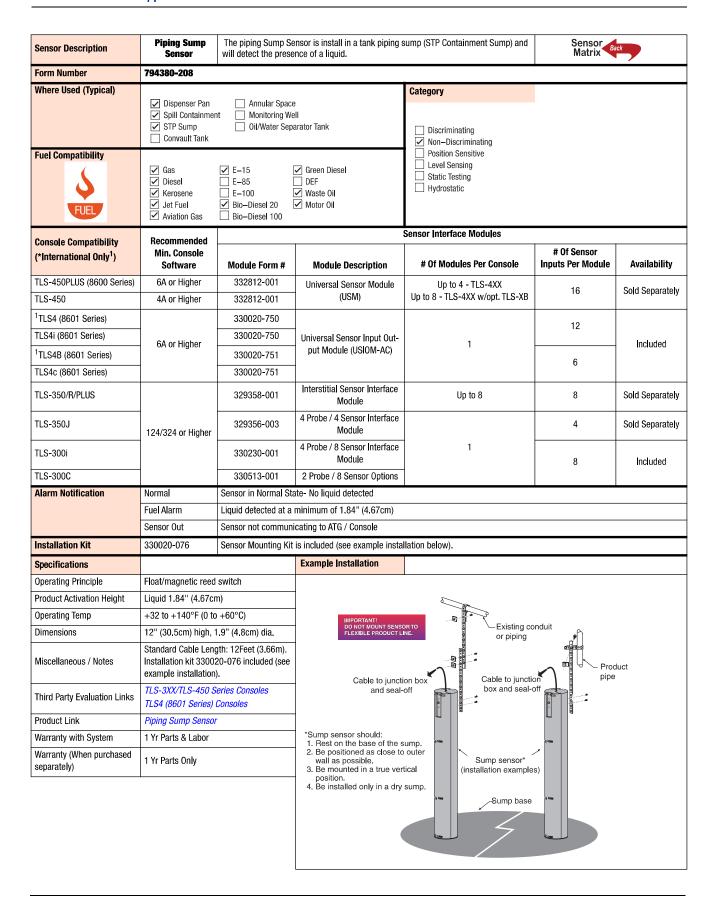
Sensor Description	Discriminati	e – (Optical) ing Dispenser Sensor		ensor is installed in a dispenser etects the presence of, and differen- s and other liquids.	Sensor Matrix						
Form Number	794380-320		!		Į.						
Where Used (Typical)	✓ Dispenser Pan✓ Spill Containmer✓ STP Sump✓ Convault Tank	Annular Spac Monitoring W Oil/Water Sep	ell	Category ✓ Discriminating ☐ Non—Discriminating ☐ Position Sensitive							
FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas		✓ Green Diesel DEF ✓ Waste Oil ✓ Motor Oil	Level Sensing Static Testing Hydrostatic							
Console Compatibility	Recommended			Sensor Interface Modules							
(*International Only ²)	Min, Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability					
TLS-450PLUS (8600 Series) TLS-450	6A or Higher 4A or Higher	332812-001 332812-001	Universal Sensor Module (USM)	Up to 4 - TLS-4XX Up to 8 - TLS-4XX w/opt. TLS-XB	8	Sold Separately					
² TLS4 (8601 Series) TLS4i (8601 Series)	6A or Higher	330020-750 330020-750	Universal Sensor Input Out-	1	6	Included					
² TLS4B (8601 Series) TLS4c (8601 Series)		330020-751 330020-751	put Module (USIOM-AC)		4						
TLS-350/R/PLUS	124/324 or Higher	329950-001	Type B Interface Module	Up to 8	6	Sold Separately					
TLS-300i				NA							
TLS-300C				IVA							
Alarm Notification	Normal	Sensor in Normal St	ate- No liquid detected								
	Low Liquid	•	minimum of 1.37" (3.4cm)								
	High Liquid	·	minimum of 7,66" (19,45cm)								
	Fuel Alarm	Permeable material	saturated with fuel								
	Sensor Out		icating to ATG / Console								
Installation Kit	330020-012	Universal Sensor Mo	ounting Kit (Sold separately)								
Specifications			Example Installation								
Operating Principle	Electrical conductivi	ity / optical									
Product Activation Height	Gas - 0.125" (3.175 1.37" (3.4cm), High	**	Brackets, clamp, etc from Universal sens mounting kit—	c., Weatherproof junction box threads (16 cubic inch volu	with 1/2-inch N.P.T. me minimum)						
Operating Temp	-40 to +122°F (-40	to +50°C)		Seal-off							
Dimensions	11.6" (29.4cm) high	ı, 2.2" (5.6cm) dia.	U-channel								
Miscellaneous / Notes	Standard Cable Len	·		rd grip _ \							
Third Party Evaluation Links	TLS-350/TLS-450 S TLS4 (8601 Series)	Consoles		F	Rubber grommet seal clamped on inside - or as recommended by						
Product Link	Solid-State Discrim Pan Sensor	inating Dispenser	dispenser pan manufacturer.								
Warranty with System	1 Yr Parts & Labor				=						
Warranty (When purchased separately)	1 Yr Parts Only			Dispenser pan sensor*	1/2" Rigid conduit to console						
			*Dispenser pan sensor should: 1. Rest in the cup or the lowest point of the dispenser pan. 2. Be positioned so as to be removable by pulling the sensor straight up out of the pan. 3. Be mounted in a true vertical position.								

Sensor Description	Discriminatin	e – (Optical) g Containment Sensor		ensor is installed in a containment sence of, and differentiate between, ds.	Sensor Matrix	Back
Form Number	794380-350		!		!	
Where Used (Typical)				Category		
	☐ Dispenser Pan ☑ Spill Containme ☑ STP Sump ☐ Convault Tank	Annular Spac Monitoring Wo Oil/Water Sep	ell			
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-15 ✓ E-85¹ ☐ E-100 ✓ Bio-Diesel 20 ☐ Bio-Diesel 100 per Sensor Operability Guid	Green Diesel DEF Waste Oil Motor Oil	Level Sensing Static Testing Hydrostatic		
Console Compatibility	Recommended			Sensor Interface Modules		
(*International Only ²)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	8	Sold Separately
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt, TLS-XB	0	Solu Separately
² TLS4 (8601 Series)		330020-750			6	
TLS4i (8601 Series)	CA or Higher	330020-750	Universal Sensor Input Out-	1	0	Included
² TLS4B (8601 Series)	6A or Higher	330020-751	put Module (USIOM-AC)	l I		Included
TLS4c (8601 Series)		330020-751	1		4	
TLS-350/R/PLUS	124/324 or Higher	329950-001	Type B Interface Module	Up to 8	6	Sold Separately
TLS-300i						
TLS-300C				NA		
Alarm Notification	Normal	Sensor in Normal St	ate- No liquid detected			
	Low Liquid	Liquid detected at a	minimum of 1.37" (3.48cm)			
	High Liquid	Liquid detected at a	minimum of 10.3" (26.2cm)			
	Fuel Alarm	Permeable material	saturated with Fuel			
	Sensor Out	Sensor not commun	icating to ATG / Console			
Installation Kit	330020-012	Universal Sensor Mo	ounting Kit (Sold separately)			
Specifications			Example Installation			
Operating Principle	Electrical conductiv	ity / optical				
Product Activation Height	Gas - 0.125" (3.175 1.37" (3.4cm), High	omm); Water - Low - - 10.3" (26.2cm)		ainment — 1/2" NPT Wea o sensor cord grip box supplied	therproof junction	
Operating Temp	-40 to +122°F (-40	to +50°C)	pump	\ w/cable /		
Dimensions	22.1" (56.1cm) high	n, 2.2" (5.6cm) dia.	Containment	<u> </u>	/— Seal-off	
Miscellaneous / Notes	Standard Cable Len	gth: 12 Feet	sump		/	
Third Party Evaluation Links	TLS-350/TLS-450 S TLS4 (8601 Series)					
Product Link	Sump Sensor	inating Containment	IMPORTANT! DO NOT MOUNT SENSOR TO FLEXIBLE PRODUCT LINE.		Rigid conduit to console	
Warranty with System	1 Yr Parts & Labor		,,,,,		Product line	
Warranty (When purchased separately)	1 Yr Parts Only			Brackets	, clamp, etc., from	
					Universal Sensor	

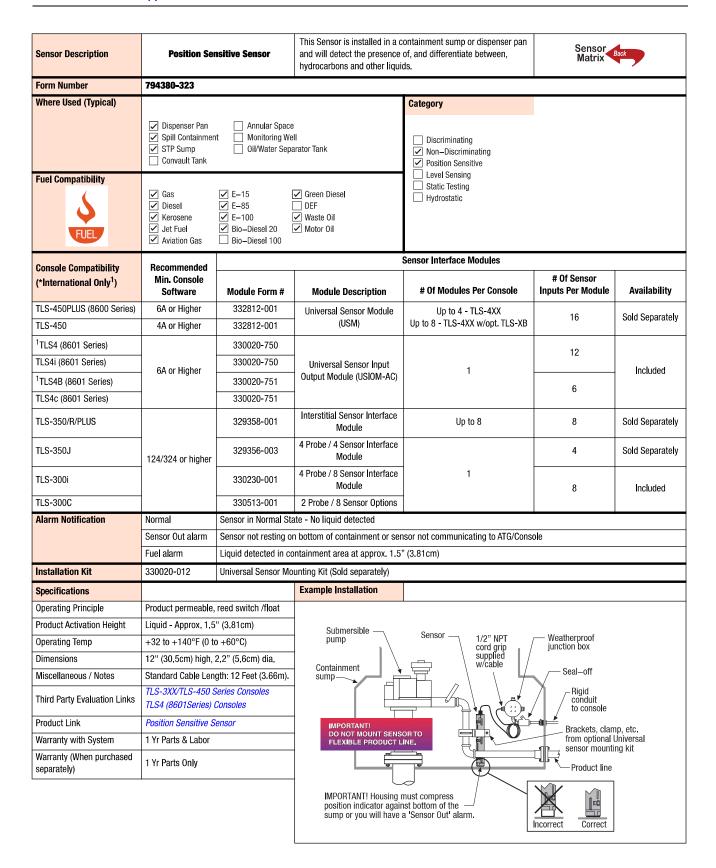
Sensor Description	Level Indicatir	e Discriminating ng Containment Sensor	1	ed in a dispenser pan or contain- ne presence of, and differentiate ds.	Sensor Matrix	ck
Form Number	857080-111 (12") Test	, -112 (24") / 8570	80-211 (12"), -212 (24"). T	he -211 and -212 sensors are ca	pable of performing	a Sump Integrity
Where Used (Typical)	✓ Dispenser Pan ✓ Spill Containmer ✓ STP Sump ☐ Convault Tank	Annular Space Monitoring We	ell	Category ✓ Discriminating ☐ Non-Discriminating ✓ Position Sensitive		
Fuel Compatibility FUEL	✓ Gas ✓ Diesel ✓ Kerosene ✓ Jet Fuel ✓ Aviation Gas	✓ E-85 ✓ E-100	✓ Green Diesel ✓ DEF ✓ Waste Oil ✓ Motor Oil	✓ Level Sensing ✓ Static Testing ☐ Hydrostatic		
Console Compatibility	Recommended			Sensor Interface Modules		
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability
TLS-450PLUS (8600 Series) TLS-450	6A or Higher 4A or Higher	332812-001 332812-001	Universal Sensor Module (USM)	Up to 4 - TLS-4XX Up to 8 - TLS-4XX w/opt. TLS-XB	16	Sold Separately
¹ TLS4 (8601 Series)		330020-750				
TLS4i (8601 Series)		330020-750	Universal Sensor Input/Out-		12	
¹ TLS4B (8601 Series)	6A or Higher	330020-751	put Module (USIOM-AC)	1	_	Included
TLS4c (8601 Series)	1	330020-751			6	
TLS-350/R/PLUS	124/324 or Higher (-211 and -212 sensors require 126/326 or higher}	329356-004	Smart Sensor Interface Module	Up to 8	8	Sold Separately
TLS-300i				NA		
TLS-300C				N/A		
Alarm Notification	Normal		ate- No liquid detected			
	Water Alarm		minimum of 1.614" (2.83cm)			
	Fuel Alarm	Fuel detected 1.368	' (3.47cm)			
	Sensor Comm Alarm		cating to ATG / Console			
Installation Kit	330020-012	Universal Sensor Mo	unting Kit (Sold separately)			
Specifications			Example Installation			
Operating Principle Product Activation Height	Magnetostrictive pro		Submersible —	abla Cord grip	— Weatherproof	
Operating Temp	(3.47cm) -40°C to +60°C		pump Containment	Mag Sensor	junction box	
Dimensions	2.4" (6.1cm) Diame Long (-111 and -21 (84.8cm) Long (-112	1 models), 33.4"	sump		Seal-off 1/2" Rigid conduit to console	
Miscellaneous / Notes	Standard Cable Len	gth: 10 Feet	IMPORTANT! DO NOT MOUNT SENSO		Brackets, cla	mn etc
Third Party Evaluation Links	TLS-350/TLS-450 S TLS4 (8601 Series)		FLEXIBLE PRODUCT LI		from optional sensor moun	Universal
Product Link	Mag Sump Sensor				Product line	
Warranty with System	1 Yr Parts & Labor			d		
Warranty (When purchased separately)	1 Yr Parts Only					

Sensor Description		n-Discriminating Pan Sensor	in a dispenser pan location to	inating sensor is installed typically o detect the presence of a liquid. Its requires no moving parts, allowing peratures.	Sensor Matrix	Back
Form Number	794380-321					
Where Used (Typical)				Category		
	✓ Dispenser Pan ✓ Spill Containmer ☐ STP Sump ☐ Convault Tank	☐ Annular Space nt ☐ Monitoring We ☐ Oil/Water Sep	ell	☐ Discriminating ☑ Non–Discriminating ☐ Position Sensitive		
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-15 ☐ E-85 ☐ E-100 ✓ Bio-Diesel 20 ✓ Bio-Diesel 100	✓ Green Diesel DEF ✓ Waste Oil ✓ Motor Oil	Level Sensing Static Testing Hydrostatic		
Console Compatibility	Recommended			Sensor Interface Modules		
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt, TLS-XB		
¹ TLS4 (8601 Series)		330020-750			12	
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1		Included
¹ TLS4B (8601 Series)	or or riighter	330020-751	put Module (USIOM-AC)	·	6	inolado a
TLS4c (8601 Series)		330020-751			ľ	
TLS-350/R/PLUS	124/324 or Higher	329956-001	Type A Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J						
TLS-300i				N/A		
TLS-300C						
Alarm Notification	Normal		ate- No liquid detected			
	Fuel Alarm	Liquid detected - Ap	. ,			
	Sensor Out		icating to ATG / Console			
Installation Kit	330020-012	Universal Sensor Mo	ounting Kit (Sold separately)			
Specifications			Example Installation			
Operating Principle		chase changes in the sing them to interact e another	Brackets, clamp, of from Universal se	etc., Weatherproof junction nsor threads (16 cubic inch	box with 1/2-inch N.F. volume minimum).	Р.Т.
Product Activation Height	Fuel or Water - Appr	rox. 1" (2.54cm)	mounting kit	Sea	al-off	
Operating Temp	-40 to +122°F (-40	<u> </u>	U-channel			
Dimensions	11.6" (29.4cm) high			ord grip —		
Miscellaneous / Notes		gth: 12 Feet (3.66m)		ord grip	 Rubber grommet clamped on insid 	seal
Third Party Evaluation Links	TLS-3XX/TLS-450 S TLS4 (8601 Series)				clamped on insid or as recommend dispenser pan ma	ded by
Product Link	Solid-State - Non-D Dispenser Pan Sens	•				
Warranty with System	1 Yr Parts & Labor				1/2" Rigid co	onduit
Warranty (When purchased separately)	1 Yr Parts Only			- Dispenser pan sensor*	to console	aun
				or should: the lowest point of the dispenser p is to be removable by pulling the s ue vertical position.	Dispenser par ean. ensor straight up out	of the pan.

Sensor Description		n-Discriminating Sump Sensor	in a containment sump area	inating sensor is installed typically to detect the presence of a liquid. logy requires no moving parts, zero temperatures.	Sensor Matrix	Back
Form Number	794380-351		<u>'</u>			
Where Used (Typical)	☐ Dispenser Pan ✓ Spill Containme ✓ STP Sump ☐ Convault Tank	Annular Spac Monitoring W	/ell	Category Discriminating Non-Discriminating		
FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-15 □ E-85 □ E-100 ✓ Bio-Diesel 20 ✓ Bio-Diesel 100	✓ Green Diesel DEF ✓ Waste Oil ✓ Motor Oil	Position Sensitive Level Sensing Static Testing Hydrostatic		
Console Compatibility	Recommended			Sensor Interface Modules		
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Cold Congretaly
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt. TLS-XB	16	Sold Separately
¹ TLS4 (8601 Series)		330020-750			10	
TLS4i (8601 Series)	0.0	330020-750	Universal Sensor Input Out-		12	1111
¹ TLS4B (8601 Series)	- 6A or Higher	330020-751	put Module (USIOM-AC)	1		Included
TLS4c (8601 Series)	-	330020-751	1		6	
TLS-350/R/PLUS	124/324 or Higher	329956-001	Type A Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J			I			<u> </u>
TLS-300i	1			N/A		
TLS-300C	1					
Alarm Notification	Normal	Sensor in Normal St	ate- No liquid detected			
	Fuel Alarm	Liquid detected - Ap	prox. 1.0" (2.54cm)			
	High Liquid	Sensor not commun	icating to ATG / Console			
Installation Kit	330020-012	Universal Sensor Mo	ounting Kit (Sold separately)			
Specifications			Example Installation			
Operating Principle	1	phase changes in the ing them to interact another	Submersible — sum	tainment — 1/2" NPT we cord grip boy supplied boy	atherproof junction	
Product Activation Height	Fuel or Water - App		pump	w/cable /		
Operating Temp	-40 to +122°F (-40	<u> </u>	Containment	_ \ \ /	/— Seal-off	
Dimensions	22.1" (56.1cm) high	ı, 2.2" (5.6cm) dia.	sump	军 . ~ ~	/	
Miscellaneous / Notes		gth: 12 Feet (3.66m))	
Third Party Evaluation Links	TLS-350/TLS-450 S TLS4 (8601 Series)		IMPORTANT! DO NOT MOUNT SENSOR T		ı	
Product Link	Solid-State Non-Dis Containment Sump		FLEXIBLE PRODUCT LINE.		Product line	
Warranty with System	1 Yr Parts & Labor				ľ	
Warranty (When purchased separately)	1 Yr Parts Only				s, clamp, etc., from I Universal Sensor	



Sensor Description	Non-Discriminating Standalone Dispenser Pan Sensor	a dispenser pan containmer shuts down (removes) AC po circuitry, wiring, or an ATG S	ndalone Dispenser Pan Sensor i t. When fluid is detected in the ower to the dispenser without th ystem. The separate sensor cor ss 1 Div. 1 Group D; Class 1 Zo	dispenser pan, this sensor ne need for additional relays, ntrol interface ensures intrin-
Form Number	847990-001			
Where Used (Typical)			Category	
	Spill Containment Me	nular Space onitoring Well //Water Separator Tank	☐ Discriminating ☑ Non-Discriminating ☐ Position Sensitive ☐ Level Sensing	
Fuel Compatibility FUEL	✓ Gas ✓ E-15 ✓ Diesel ☐ E-85 ✓ Kerosene ☐ E-100 ✓ Jet Fuel ✓ Bio-Die ✓ Aviation Gas ☐ Bio-Die		Static Testing Hydrostatic	
Console Compatibility	Not Required			
Alarm Notification	Normal	Dispenser operational		
	Liquid detected	Remove power to the disper	ser	
	Sensor out	Remove power to the disper	ser	
Installation Kit	330020-012	Universal Sensor Mounting F	it (Sold separately)	
Specifications			Example Installation	
Operating Principle	Reed switch/float			
Product Activation Height	Gasoline: 1.71" (4.34cm), wate	er: 1.62" (4.11cm)	1	
Operating Temp	+32 to +140°F (0 to +60°C) (f	reezing liquids)	1	Dispenser Control Interface
Dimensions	11.6" (29.4cm) high, 2.2" (5.6d	cm) dia.	Power 120 Vac	¬ ´
Miscellaneous / Notes	Latching alarm circuitry ensurestarted until hazardous cor Connects directly to dispense Controls most manufacturer' Cable length: 5 feet (1.5m). Control interface dimensions (5.6cm) dia.	dition has been corrected. er wiring s dispensers.	Neutral - Existing conduit 1-1/2" to 3/4" NPT Reducer 3/4" NPT nipple (Customer	To dispenser Existing conduit 1-1/2" NPT coupling
Third Party Evaluation Links	http://nwglde.org/evals/veeder	_root_p.html	supplied)	
Product Link	Non-Discriminating Stand-Alor	ne Dispenser Pan Sensor	Junction box (in dispenser)	
Warranty with System	1 Yr Parts & Labor		_	
Warranty (When purchased separately)	1 Yr Parts Only		Dispenser pan sensor s	Ontional Universal
			Rest in the cup or the lowest point of the dispenser pan. Be positioned so as to removable by pulling sensor straight up out the pan. Be mounted in a true vertical position.	o be the tof



Sensor Description	Solid-State (Option ing Interstitial Se Wall Fiberglass Ta	nsor for Double-	tanks uses solid-state liquid	The Discriminating Interstitial Sensor for double-wall fiberglass tanks uses solid-state liquid level sensing technology to detect liquid in the interstitial space of the tank.					
Form Number	794380-343		!		!				
Where Used (Typical)				Category					
	☐ Dispenser Pan☐ Spill Containme☐ STP Sump☐ Convault Tank	Annular Spacent Monitoring W	/ell	✓ Discriminating					
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-15 ☐ E-85 ☐ E-100 ✓ Bio-Diesel 20 ✓ Bio-Diesel 100	✓ Green Diesel ✓ DEF ✓ Waste Oil ✓ Motor Oil	Level Sensing Static Testing Hydrostatic					
Console Compatibility	Recommended			Sensor Interface Modules					
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability			
TLS-450PLUS (8600 Series) TLS-450	6A or Higher 4A or Higher	332812-001 332812-001	Universal Sensor Module (USM)	Up to 4 - TLS-4XX Up to 8 - TLS-4XX w/opt. TLS-XB	16	Sold Separately			
¹ TLS4 (8601 Series)	in to i riigiloi		, ,						
TLS4 (8601 Series)		330020-750 330020-750	Universal Sensor Input Out-		12				
¹ TLS4B (8601 Series)	6A or Higher	330020-751	put Module (USIOM-AC)	1		Included			
TLS4c (8601 Series)	<u> </u> 	330020-751	-		6				
TLS-350/R/PLUS	124/324 or Higher	329956-001	Type A Sensor Interface Module	Up to 8	8	Sold Separately			
TLS-350J									
TLS-300i	-			N/A					
TLS-300C	-								
Alarm Notification	Normal	Sensor in Normal St	ate - No liquid detected						
	Liquid alarm	Water detected							
	Fuel alarm	Fuel or Fuel/Water d	etected						
	Sensor out	Sensor not commun	icating to ATG / Console						
Specifications			Example Installation						
Operating Principle	Optical sensor and	conductivity		•					
Product Activation Height	Fuel or Water - <0.1	I" (0.25cm)	-						
Operating Temp	-40 to +122°F (-40	to +50°C)							
Dimensions	4.3" (11cm) length, 0.5" (1.3cm) thick	1.5" (3.8cm) width,	Manhole	Seal-off	:h /h- ()I-)				
Miscellaneous / Notes	Standard Cable 25 f 10 foot [1.2 to 3m]		Riser	Rigid condu Weatherproof junction box	it (to console)				
Third Party Evaluation Links	TLS-350/TLS-450 S TLS4 (8601 Series)								
Product Link	Solid-State Discrima Sensor	inating Interstitial))					
Warranty with System	1 Yr Parts & Labor		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	or must reach	tank				
Warranty (When purchased separately)	1 Yr Parts Only		bot	or must reach tom of tank Fiberglass	KALIK				

Sensor Description		or for Double-Wall ass Tanks		stitial Sensor for double-wall fiber- ence of liquid in the interstitial	Sensor Matrix	ack
Form Number	794390-409		:			
				Category		
Where Used (Typical)	☐ Dispenser Pan ☐ Spill Containmer ☐ STP Sump ☑ Convault Tank	✓ Annular Space nt	ell	☐ Discriminating ☑ Non–Discriminating ☐ Position Sensitive		
FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	☐ E-85 ☐ E-100	✓ Green Diesel DEF ✓ Waste Oil Motor Oil	Level Sensing Static Testing Hydrostatic		
Console Compatibility	Recommended			Sensor Interface Modules		
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt. TLS-XB	10	oold ocparatoly
¹ TLS4 (8601 Series)		330020-750			12	
TLS4i (8601 Series)	CA ou Higher	330020-750	Universal Sensor Input Out-	1	12	Included
¹ TLS4B (8601 Series)	- 6A or Higher	330020-751	put Module (USIOM-AC)	l l		included
TLS4c (8601 Series)	-	330020-751			6	
TLS-350/R/PLUS		329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module	1	8	Included
TLS-300C		330513-001	2 Probe / 8 Sensor Options			
Alarm Notification	Normal	Sensor in Normal Sta	ate - No liquid detected			
	Liquid alarm	Liquid detected				
	Sensor out	Sensor not communi	icating to ATG / Console			
Specifications			Example Installation			
Operating Principle	Reed switch / float					
Product Activation Height	0.28" (0.71cm)					
Operating Temp	-4 to +140°F (-20 t	<u> </u>				
Dimensions	0.6" (1.5cm) thick	, 1.3" (3.3cm) width,	Manhole	Seal-off	t (to Compale)	
Miscellaneous / Notes	Standard Cable 25 f 10 foot [1.2 to 3m]	I.D.fiberglass tanks	Riser	Rigid condui Weatherproof junction box	t (to Console)	
Third Party Evaluation Links	TLS-3XX/TLS-450 S TLS4 (8601 Series)					
Product Link	Non-Discriminating	Interstitial Sensor] //	//		
Warranty with System	1 Yr Parts & Labor] [[))		
Warranty (When purchased separately)	1 Yr Parts Only		Sensor mus bottom of	st reach f tank	ank	

Sensor Description	Fluid Intersti	ernative Ethanol tial Sensor for iberglass Tanks	alcohol product uses solid-st	The interstitial sensor for double-wall fiberglass tanks with high alcohol product uses solid-state liquid level sensing technology to detect liquid in the interstitial space of the tank.		Sensor Matrix	
Form Number	794380-345						
Where Used (Typical)	☐ Dispenser Pan☐ Spill Containmer☐ STP Sump☐ Convault Tank	✓ Annular Spac Monitoring W Oil/Water Sep	ell	Category □ Discriminating □ Non-Discriminating			
Fuel Compatibility	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-15 ✓ E-85 ✓ E-100 ✓ Bio-Diesel 20 ✓ Bio-Diesel 100	✓ Green Diesel ✓ DEF ✓ Waste Oil ✓ Motor Oil	Position Sensitive Level Sensing Static Testing Hydrostatic			
Console Compatibility	Recommended			Sensor Interface Modules			
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability	
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately	
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt, TLS-XB	10	oold ooparatory	
¹ TLS4 (8601 Series)		330020-750			12		
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1		Included	
¹ TLS4B (8601 Series)	- 6A or Higher	330020-751	put Module (USIOM-AC)	l l		Included	
TLS4c (8601 Series)		330020-751	-		6		
TLS-350/R/PLUS	124/324 or Higher	329956-001	Type A Sensor Interface Module	Up to 8	8	Sold Separately	
TLS-350J							
TLS-300i			N/A				
TLS-300C							
Alarm Notification	Normal	Sensor in Normal St	ate - No liquid detected				
	Fuel alarm	Liquid detected					
	Sensor out	Sensor not commun	icating to ATG / Console				
Specifications			Example Installation				
Operating Principle	light beams by caus or interfere with one						
Product Activation Height	Fuel or Water<0.2" (1cm)	(0.5cm); E85 <0.4"		Seal-off			
Operating Temp	-40 to +122°F (-40	to +50°C)	Manhole Manhole	Rigid conduit (to	Console)		
Dimensions	4.3" (11cm) length, 0.5" (1.3cm) thick	1.5" (3.8cm) width,	Riser	Weatherproof junction box	Console)		
Miscellaneous / Notes	Standard Cable 25 feet (7.6m) Fits 4 to 10 foot [1.2 to 3m] I.D.fiberglass tanks TLS-350/TLS-450 Series Consoles TLS4 (8601 Series) Consoles Solid-State Alternative Ethanol Fluid Interstitial Sensor						
Third Party Evaluation Links							
Product Link							
Warranty with System	1 Yr Parts & Labor		Sensor must reach bottom of tank				
Warranty (When purchased separately)	1 Yr Parts Only						

Sensor Description	Interstitial Senso	r for Steel Tanks	The Interstitial Sensor for steel tanks is non-discriminating and detects the presence of liquid between the double walls of the tank.			Sensor Matrix	
Form Number	794390-420 (16'	cable); 794390-460	(30' cable)	•			
Where Used (Typical)	☐ Dispenser Pan☐ Spill Containmer☐ STP Sump☐ Convault Tank	✓ Annular Spac Monitoring W Oil/Water Sep	ell	Category ☐ Discriminating ☑ Non–Discriminating			
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-15 □ E-85 □ E-100 ✓ Bio-Diesel 20 □ Bio-Diesel 100	✓ Green Diesel DEF ✓ Waste Oil ✓ Motor Oil	☐ Position Sensitive ☐ Level Sensing ☐ Static Testing ☐ Hydrostatic			
Console Compatibility	Recommended			Sensor Interface Modules			
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability	
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately	
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt. TLS-XB		John Scharately	
¹ TLS4 (8601 Series)		330020-750			12		
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1		Included	
¹ TLS4B (8601 Series)	OA OF HIGHE	330020-751	put Module (USIOM-AC)			Illoladea	
TLS4c (8601 Series)		330020-751	-		0		
TLS-350/R/PLUS		329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately	
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module	1	4	Sold Separately	
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module		8	Included	
TLS-300C		330513-001	2 Probe / 8 Sensor Options				
Alarm Notification	Normal	Sensor in Normal Sta	tate - No liquid detected				
	Fuel alarm	Liquid detected					
	Sensor out		icating to ATG / Console				
Installation Kit	312020-928	2" (50mm) Interstitia	al sensor riser cap kit (sold sep	arately)			
Specifications			Example Installation				
Operating Principle	Reed switch / float						
Product Activation Height	1.4" (3.56cm)		i i	Weather	erproof junction box		
Operating Temp	-4 to +140°F (-20 t	<u> </u>		Seal-off			
Dimensions	, , ,	.5" (3.8cm) diameter	Manho		conduit (to Console)		
Miscellaneous / Notes	794380-420 (cable 16 feet [4.9m]); 794380-460 (cable 30 feet [9.1m]); 312020-928 (2" [50mm] Riser cap and adapter kit)		Appropriate reducer with 1/2" NPT opening for cable cord grip with 1/2" NPT opening for cable cord grip has been seen as a see				
Third Party Evaluation Links	TLS-3XX/TLS-450 S TLS4 (8601 Series)		Leader ca	able —			
Product Link	Interstitial Sensor for Steel Tanks 1 Yr Parts & Labor]	Riser			
Warranty with System			1	Tank———			
Warranty (When purchased separately)	1 Yr Parts Only		Sensor must rest on bottom of interstitial riser				

Sensor Description	Position Sensitive Sensor for Steel 1		areas (i.e., spill buckets) of do	ence of liquid in small containment ouble wall steel tanks. In addition, it sensor is not positioned correctly on space.	Sensor Matrix		
Form Number	794380-333						
Where Used (Typical)	☐ Dispenser Pan ☑ Spill Containme ☐ STP Sump ☐ Convault Tank	Annular Spacent Monitoring Wo	ell	Category ☐ Discriminating ☐ Non–Discriminating ☐ Position Sensitive			
FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-85 ✓ E-100	✓ Green Diesel DEF ✓ Waste Oil ✓ Motor Oil	☐ Level Sensing ☐ Static Testing ☐ Hydrostatic			
Console Compatibility	Recommended			Sensor Interface Modules			
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability	
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately	
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt, TLS-XB			
¹ TLS4 (8601 Series)		330020-750			12		
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1	12	Included	
¹ TLS4B (8601 Series)	oA of Higher	330020-751	put Module (USIOM-AC)		6	Included	
TLS4c (8601 Series)	-	330020-751	-		0		
TLS-350/R/PLUS		329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately	
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately	
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module	1	8	Included	
TLS-300C		330513-001	2 Probe / 8 Sensor Options				
Alarm Notification	Normal	Sensor in Normal Sta	tate - No liquid detected				
	Fuel alarm	Not sitting correctly	ectly on bottom of interstitial space or liquid detected				
	Sensor out	Sensor not communi	icating to ATG / Console				
Installation Kit	312020-928	2" (50mm) Interstitia	ll sensor riser cap kit (sold sep	arately)			
Specifications			Example Installation				
Operating Principle	Reed Switch /Float						
Product Activation Height	1.4" (3.6cm)		<u>₹.</u>		nerproof junction box		
Operating Temp	-4 to +140°F (-20 to	o +60°C)	p ;	1			
Dimensions	ter	.75" (4.4cm) Diame-	Manhole	Seal-off Rigid o	conduit (to Console)		
Miscellaneous / Notes	Standard Cable Length: 20 Feet (6.09m); 312020-928 (2" [50mm] Riser cap and adapter kit)		1/2" NPT Cord Appropriate reducer 1/2" NPT opening fo	with			
Third Party Evaluation Links	TLS-3XX/TLS-450 Series Consoles TLS4 (8601 Series) Consoles		cord grip Sensor cal				
Product Link	Position Sensitive Interstitial Sensor for Steel Tanks						
Warranty with System	1 Yr Parts & Labor		Sensor must rest on bottom of interstitial riser				
Warranty (When purchased separately)	1 Yr Parts Only						

Sensor Description	Interstitial High A Steel Tanks	Icohol Sensor for		el tanks with high alcohol product d between the double walls of the	Sensor Matrix	Back	
Form Number	794380-430				1		
Where Used (Typical)	☐ Dispenser Pan ☐ Spill Containme ☐ STP Sump ☑ Convault Tank	✓ Annular Spac nt	ell	Category Discriminating Non-Discriminating Position Sensitive			
Fuel Compatibility	Gas Diesel Kerosene Jet Fuel Aviation Gas		✓ Green Diesel DEF ✓ Waste Oil ✓ Motor Oil	Position Seristive Level Sensing Static Testing Hydrostatic			
Console Compatibility	Recommended			Sensor Interface Modules			
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability	
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Cold Congretaly	
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt. TLS-XB	10	Sold Separately	
¹ TLS4 (8601 Series)		330020-750			12		
TLS4i (8601 Series)	CA or Higher	330020-750	Universal Sensor Input Out-	1	12	Included	
¹ TLS4B (8601 Series)	- 6A or Higher	330020-751	put Module (USIOM-AC)		6	Included	
TLS4c (8601 Series)		330020-751			0		
TLS-350/R/PLUS		329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately	
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately	
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module		8	Included	
TLS-300C		330513-001	2 Probe / 8 Sensor Options				
Alarm Notification	Normal	Sensor in Normal Sta	tate - No liquid detected				
	Fuel alarm	Water or Fuel detected					
	Sensor out	Sensor not communi	icating to ATG / Console				
Installation Kit	312020-928	2" (50mm) Interstitia	al sensor riser cap kit (sold sep	separately)			
Specifications			Example Installation				
Operating Principle	Reed switch / float						
Product Activation Height	1.1" (2.8cm)		4 · p	4 11	herproof junction box		
Operating Temp	-4 to +140°F (-20 to		<u>. •</u>	Seal-off			
Dimensions Miscellaneous / Notes	2.5" (6.4cm) high, 1 Standard cable 15 f 312020-928 (2" [50 adapter kit)		Manhole ————————————————————————————————————				
Third Party Evaluation Links	TLS-3XX/TLS-450 S TLS4 (8601 Series)		Appropriate reducer w 1/2" NPT opening for o cord grip				
Product Link	Interstitial High Alcohol Sensor for Steel Tanks 1 Yr Parts & Labor		Leader cable				
Warranty with System				Riser			
Warranty (When purchased separately)	1 Yr Parts Only			Tank			
			Sensor must rest on bottom of interstitial riser				

Sensor Description	MicroSensor		ting small, easy to install solid- nterstitial space of a steel tank	-state MicroSensor is designed or a fill riser containment.	Sensor Matrix	Back	
Form Number	794380-344			:			
Where Used (Typical)	☐ Dispenser Pan ☐ Spill Containme ☐ STP Sump ☑ Convault Tank	✓ Annular Spac nt Monitoring W Oil/Water Sep	ell	Category ☐ Discriminating ☑ Non–Discriminating			
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-15 ✓ E-85 ✓ E-100 ✓ Bio-Diesel 20 ✓ Bio-Diesel 100	✓ Green Diesel ✓ DEF ✓ Waste Oil ✓ Motor Oil	Position Sensitive Level Sensing Static Testing Hydrostatic			
Console Compatibility	Recommended			Sensor Interface Modules			
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability	
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Cold Congretaly	
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt. TLS-XB	10	Sold Separately	
¹ TLS4 (8601 Series)		330020-750			12		
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1		Included	
¹ TLS4B (8601 Series)	OA OF HIGHE	330020-751	put Module (USIOM-AC)			moluueu	
TLS4c (8601 Series)	-	330020-751	-		0		
TLS-350/R/PLUS	124/324 or Higher	329956-001	Type A Sensor Interface Module	Up to 8	8	Sold Separately	
TLS-350J							
TLS-300i		N/A					
TLS-300C							
Alarm Notification	Normal	Sensor in Normal Sta	ate - No liquid detected				
	Fuel alarm	Liquid detected at a	minimum of 1" (2.54cm)				
	Sensor out	Sensor not commun	icating to ATG / Console				
Installation Kit	312020-928	2" Cap Adapter Kit (S	Sold separately)	:			
Specifications			Example Installation				
Operating Principle	Optical						
Product Activation Height	1" (2.54cm)		4.	We We	atherproof junction bo)X	
Operating Temp	-40 to +122°F (-40		, n		, ,		
Dimensions Miscellaneous / Notes	Dia. 0.63" (16mm), Standard Cable Len 312020-928 (2" [50 Adapter kit)	gth: 25 Feet (7.6m);	Manhole 1/2" NPT Cord	Rigid	ff d conduit (to Console)		
Third Party Evaluation Links	TLS-350/TLS-450 S TLS4 (8601 Series)		Appropriate reducer v 1/2" NPT opening for	vith cable			
Product Link	MicroSensor		cord grip				
Warranty with System	1 Yr Parts & Labor		- Sensor ca	able			
Warranty (When purchased separately)	1 Yr Parts Only		Minimum riser diameter 1 inch (2.54cm) MicroSensor must rest on bottom of interstitial riser				

Sensor Description	Dual-Point Hydrostatic Reservoir Sen- sor (Brine Filled Double Wall Tank Sensor)	and interstice of a degroundwater areas, low level alarm cond	ouble wall storage tank. The Du and can differentiate between dition. If an inner-wall leak occu el alarm, if an outer wall leak oc	is fluid level change in the reservoir ual-Point version is ideal for high a high level alarm condition and a urs, the brine seeps into the tank ccurs, fluid seeps into the interstice	Sensor Matrix	
Form Number	794380-303					
Where Used (Typical)	☐ Dispenser Pan☐ Spill Containmer☐ STP Sump☐ Convault Tank	✓ Annular Space Monitoring We Oil/Water Sep	ell	ator Tank Category Discriminating Non-Discriminating		
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas Single Use Only (Test	☑ E-85¹ ☐ E-100	✓ Green Diesel DEF ✓ Waste 0il ✓ Motor 0il e in E-10 or less)	☐ Position Sensitive ☐ Level Sensing ☐ Static Testing ☑ Hydrostatic		
Console Compatibility	Recommended			Sensor Interface Modules		
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt, TLS-XB		
¹ TLS4 (8601 Series)		330020-750			12	
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1		Included
¹ TLS4B (8601 Series)	OA OF Flight	330020-751	put Module (USIOM-AC)	'	6	mojadod
TLS4c (8601 Series)		330020-751			ľ	
TLS-350/R/PLUS		329958-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module	1	8	Included
TLS-300C		330513-001	2 Probe / 8 Sensor Options			
Alarm Notification	Normal		position (correct amount of bri	ine in reservoir)		
	Low liquid	Brine drops below 1.	· ,			
	High liquid	Brine rises above 13	· /			
Charifications	Sensor out	Seusor not commun	icating to ATG / Console Example Installation			
Specifications Operating Principle	Dood Coult-t- /El. 1		Example installation			
Operating Principle	Reed Switch /Float	b 10 10" (00 4)	-			
Product Activation Height Operating Temp	Low 1,2" (3cm), Hig		-	Manhole Weatherpro	of junction box	
Dimensions	17.3" (43.9cm) High	,	46			
DITTETIOIDIO	1 1	. ,				
Miscellaneous / Notes	Standard Cable Length: 12 ft (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.		Vented riser pipe Seal-off cap w/vent tube Rigid conduit (to console)			
Third Party Evaluation Links	TLS-3XX/TLS-450 Series Consoles TLS4 (8601 Series) Consoles		Hydrostatic S		ervoir	
Product Link	Dual-Point Hydrosta	ntic Reservoir Sensor	Brine level	Dou	ıble–wall tank	
Warranty with System	1 Yr Parts & Labor	-	1			
Warranty (When purchased separately)	1 Yr Parts Only					

Sensor Description	Single-Point Hydrostatic Reservoir Sen- sor (Brine Filled Double Wall Tank Sensor)	and interstice of a dolor low groundwater loc	ouble wall storage tank.The Sir cations. If an inner-wall leak oc m, or if the outer wall leaks, th	is fluid level change in the reservoir ngle-Point version can be used in curs, the brine seeps into the tank e brine seeps out of the tank inter-	Sensor Matrix	
Form Number	794380-301					
Where Used (Typical)	Dispenser Pan Spill Containme STP Sump Convault Tank	✓ Annular Spac nt Monitoring W Oil/Water Sep	ell			
FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E-15 ✓ E-85¹ ☐ E-100 ✓ Bio-Diesel 20 ☐ Bio-Diesel 100 est per Sensor Operability Gu		☐ Position Sensitive ☐ Level Sensing ☐ Static Testing ☑ Hydrostatic		
Console Compatibility	Recommended		,	Sensor Interface Modules		
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt, TLS-XB		
¹ TLS4 (8601 Series)		330020-750			12	
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1		Included
¹ TLS4B (8601 Series)	on or riight	330020-751	put Module (USIOM-AC)	,	6	moladed
TLS4c (8601 Series)		330020-751			0	
TLS-350/R/PLUS		329958-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module	1	8	Included
TLS-300C		330513-001	2 Probe / 8 Sensor Options			
Alarm Notification	Normal	,	sition (correct amount of brine in reservoir)			
	Fuel alarm	Brine level below 1.7				
	Sensor out	Sensor not commun	icating to ATG / Console	ı		
Specifications			Example Installation			
Operating Principle	Reed Switch /Float					
Product Activation Height	1.75" (4.4cm)	L- 5700)	-	Manhole Weatherproof jui	nction box	
Operating Temp	-13 to +135°F (-25					
Dimensions	6" (15cm) high, 2.5	<u> </u>				
Miscellaneous / Notes	Standard Cable Length: 12 ft (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		Vented riser pipe / cap w/vent tube Single-Point Hydrostatic Senso	cap w/vent tube		
Third Party Evaluation Links	TLS-3XX/TLS-450 Series Consoles TLS4 (8601 Series) Consoles		Float	Reservoir	well took	
Product Link	Single-Point Hydrostatic Reservoir Sensor		Brine level Double-wall tank			
Warranty with System	1 Yr Parts & Labor					
Warranty (When purchased separately)	1 Yr Parts Only					

Sensor Description	Single-Point Mini Sensor for Double	-	fluid level change in the inter sump. If a leak occurs in the	The Single-Point Mini-Hydrostatic sensor accurately detects fluid level change in the interstice reservoir of a double-wall sump. If a leak occurs in the sump interstice, the brine seeps out of the reservoir triggering a low level alarm.		Sensor Matrix	
Form Number	794380-304						
Where Used (Typical)	Dispenser Pan Spill Containme STP Sump Convault Tank	Annular Spac Monitoring W	ell	Category Discriminating Non-Discriminating			
Fuel Compatibility FUEL	Gas Diesel Kerosene Jet Fuel Aviation Gas	✓ E–85 ✓ E–100	✓ Green Diesel DEF ✓ Waste Oil Motor Oil	□ Position Sensitive □ Level Sensing □ Static Testing ☑ Hydrostatic			
Console Compatibility	Recommended			Sensor Interface Modules			
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability	
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately	
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt, TLS-XB	10	Solu Separately	
¹ TLS4 (8601 Series)		330020-750			12		
TLS4i (8601 Series)		330020-750	Universal Sensor Input Out-		12		
¹ TLS4B (8601 Series)	6A or Higher	330020-751	put Module (USIOM-AC)	1		Included	
TLS4c (8601 Series)		330020-751			6		
TLS-350/R/PLUS		329958-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately	
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately	
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module		8	Included	
TLS-300C		330513-001	2 Probe / 8 Sensor Options				
Alarm Notification	Normal	·	on (correct amount of brine in reservoir)				
	Fuel alarm	Float is in DOWN pos	sition (low brine level in reservoir)				
	Sensor out	Sensor not communi	icating to ATG / Console				
Specifications			Example Installation				
Operating Principle	Reed Switch /Float						
Product Activation Height	0.79" (2cm)		4.4			p	
Operating Temp	-13 to +122°F (-25	to +50°C)	Concre		V.,		
Dimensions	2.5" (6.4cm) high, 1	.5" (3.8cm) dia.	pad				
Miscellaneous / Notes	Standard Cable Length: 8 Feet (2.43m); up to 50% ethylene glycol in water; up to 50% propylene glycol in water; salt brine solution of up to 30% CaCl.		Double-wall sump Coupling and seals as required for conduit egress		stitial fluid reservoir		
Third Party Evaluation Links	TLS-3XX/TLS-450 Series Consoles TLS4 (8601 Series) Consoles		(customer supplied)	Seal-off and judgments (customer sup			
Product Link	Single-Point Mini-Hydrostatic Sensor		Rigid conduit to TLS console ——	Use tie wraps to keep			
Warranty with System	1 Yr Parts & Labor		I LO CUITOUJE	cable clear of sump components and lid			
Warranty (When purchased separately)	1 Yr Parts Only		Tank				

Sensor Description	Vapor Sensor	The Vapor Sensor de limit in the monitorin		eding the programmed threshold	Sensor Matrix		
Form Number	794390-700				•		
Where Used (Typical)	Dispenser Pan Spill Containme STP Sump Convault Tank	Annular Spac Monitoring W Oil/Water Sep	ell	Category Discriminating Non-Discriminating Position Sensitive			
Fuel Compatibility FUEL	✓ Gas ☐ Diesel ☐ Kerosene ✓ Jet Fuel ✓ Aviation Gas	✓ E-15 ☐ E-85 ☐ E-100 ☐ Bio-Diesel 20 ☐ Bio-Diesel 100	Green Diesel DEF Waste Oil Motor Oil	Level Sensing Static Testing Hydrostatic Vapor Groundwater Oil/Water Separator			
Console Compatibility	Recommended			Sensor Interface Modules			
(*International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Sensor Inputs Per Module		Availability	
TLS-450PLUS (8600 Series) TLS-450	6A or Higher 4A or Higher	332812-001 332812-001	Universal Sensor Module (USM)	Up to 4 - TLS-4XX Up to 8 - TLS-4XX w/opt. TLS-XB	8	Sold Separately	
¹ TLS4 (8601 Series) TLS4i (8601 Series)	- 6A or Higher	330020-750 330020-750	Universal Sensor Input Out-	1	6	Included	
¹ TLS4B (8601 Series) TLS4c (8601 Series)	- OA OI TIIGHEI	330020-751 330020-751	put Module (USIOM-AC)	'	4	moldada	
TLS-350/R/PLUS	124/324 or Higher	329357-001	Vapor Sensor Interface Module	Up to 8	5	Sold Separately	
TLS-350J TLS-300i TLS-300C		N/A					
Alarm Notification	Short alarm	A short has occurred	I in the sensor wiring or in the	sensor,			
	Water alarm	The vapor sensor is	immersed in water and is inca	pable of detecting fuel vapors.			
	Fuel alarm	Fuel vapors are pres	ors are present in the area being monitored by the sensor.				
	Sensor Out alarm	Sensor setup was pe	p and adapter kit (Sold separately)				
Installation Kit	312020-939						
Specifications		. , , .	Example Installation				
Operating Principle	Adsistor		·				
Product Activation Height	Gasoline vapor >50	mag 00	_				
Operating Temp	-4 to +140°F -(20 t		-				
Dimensions (Sensor)	4.9" (12.4cm) long,	1.1" (2.8cm) dia.	- Manho				
Miscellaneous / Notes	Standard Cable 18		Maillio	Rigio	d conduit (to Console)		
Third Party Evaluation	TLS-350/TLS-450 Series Consoles TLS4 (8601 Series) Consoles Vapor Sensor		Cap and co	cord grips Weatherproof junction box and seal–off			
Product Link			1				
Warranty with System	1 Yr Parts & Labor			•	IO '' ''		
Warranty (When purchased separately)	1 Yr Parts Only		Suspend vapor sensor 12 above highest level reache water table, if known; or 1 above the bottom of the w	'C monitoring well			
			or any water in the well.	Vapor sensor			

Sensor Description	Groundwater Sensor		ensor detects free hydrocarbon: 20 feet deep monitoring wells.	Sensor Matrix			
Form Number	794380-621 (7 - 1	10 foot [2 - 3m] wel	lls); 794380-622 (10 - 15 fo	ot [3 - 4.5m] wells); 794380-624	(15 - 20 foot [4.5 -	6m] wells)	
Where Used (Typical)	Dispenser Pan Spill Containme STP Sump Convault Tank	☐ Annular Spac nt ☑ Monitoring W ☐ Oil/Water Sep	ell	Category Discriminating Non-Discriminating			
Fuel Compatibility FUEL	Gas Joiesel Kerosene Joet Fuel Aviation Gas	✓ E-15 ☐ E-85 ☐ E-100 ✓ Bio-Diesel 20 ☐ Bio-Diesel 100	✓ Green Diesel DEF Waste Oil Motor Oil	Position Sensitive Level Sensing Static Testing Hydrostatic Vapor Groundwater Oil/Water Separator			
Console Compatibility (*International Only ¹)	Recommended Min. Console Software	Module Form #	Module Description	Sensor Interface Modules # Of Modules Per Console	# Of Sensor Inputs Per Module	Availability	
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX			
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt. TLS-XB	8	Sold Separately	
¹ TLS4 (8601 Series)		330020-750			_		
TLS4i (8601 Series)		330020-750	Universal Sensor Input Out-		6		
¹ TLS4B (8601 Series)	6A or Higher	330020-751	put Module (USIOM-AC)	1		Included	
TLS4c (8601 Series)		330020-751			4		
TLS-350/R/PLUS	124/324 or Higher	329399-001	Groundwater Sensor Interface Module	Up to 8	5	Sold Separately	
TLS-350J					I		
TLS-300i				N/A			
TLS-300C							
Alarm Notification	Normal	Sensor in water -no	hydrocarbons detected.				
	Water out	Sensor not in water	vater - well dry				
	Fuel alarm	Permeable material	saturated with Fuel				
	Sensor out	Sensor not communi	nicating to ATG / Console				
Specifications			Example Installation				
Operating Principle	Electrical conductivi	ity					
Product Activation Height	0.02" (0.5mm)						
Operating Temp	+32 to +104°F (0 to	o +40°C)					
Dimensions (Water Float)	4.9" (12.4cm) long,	1.1" (2.8cm) dia.	Cord grips				
Miscellaneous / Notes	Locking cap include (162.6cm)	d; cable length 64"	Sensor well cap w/ locking handle	Rigid condui	,		
Third Party Evaluation Links	TLS-3XX/TLS-450 S TLS4 (8601 Series)		Extra sensor length	Weatherproof junction k and seal off	JUX		
Product Link	Groundwater Sensor		should not exceed 2–feet (60cm) Perforated PVC monitoring well housing				
Warranty with System	1 Yr Parts & Labor		, ,	Cuppend water fleat Oll	411 (F. 10am)		
Warranty (When purchased separately)	1 Yr Parts Only		Sensor Water float	Sensor Suspend water float 2" – 4" (5 – 10cm) above bottom of well. NOTE: Water float must be submerged or console will indicate WATER OUT alarm.			
				000			

Sensor Description	Oil/Water Separator Sensor (OWSS)	system for your Oil V by monitoring produ tem when tank conto	Vater Separator tank. The OWS ct thresholds, and will activate	to utilize your existing Veeder-Root S facilitates operation of the tank alarms on the TLS monitoring sys- hreshold. The probe also provides tory.	Sensor Matrix		
Form Number	794690-XXX						
Where Used (Typical)	Dispenser Pan Spill Containmer STP Sump Convault Tank	☐ Annular Space Monitoring We Oil/Water Sepa	II	Category Discriminating Non-Discriminating Position Sensitive			
Fuel Compatibility	Gas Diesel Kerosene Jet Fuel Aviation Gas		Green Diesel DEF Waste Oil Motor Oil	☐ Level Sensing ☐ Static Testing ☐ Hydrostatic ☐ Vapor ☐ Groundwater ☑ Oil/Water Separator			
Console Compatibility	Recommended			Sensor Interface Modules			
(International Only ¹)	Min. Console Software	Module Form #	Module Description	# Of Modules Per Console	# Of Sensor Inputs Per Module	Availability	
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module	Up to 4 - TLS-4XX	16	Sold Separately	
TLS-450	4A or Higher	332812-001	(USM)	Up to 8 - TLS-4XX w/opt. TLS-XB	10	Gold Coparatory	
¹ TLS4 (8601 Series)		330020-750			12		
TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-	1		Included	
¹ TLS4B (8601 Series)	- Ort of Flighton	330020-751	put Module (USIOM-AC)	'	6	Inoladed	
TLS4c (8601 Series)		330020-751			Ŭ		
TLS-350/R/PLUS		329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately	
TLS-350J	124/324 or Higher	329356-003	4 Probe / 4 Sensor Interface Module		4	Sold Separately	
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module	1	8	Included	
TLS-300C		330513-001	2 Probe / 8 Sensor Options				
Alarm Notification	Normal	Tank is properly setu					
	Liquid warning	Oil is present in tank					
	Liquid alarm		naximum volume, remove from	tank			
Chasifications	Sensor out	Sensor not communi	icating to ATG / Console				
Specifications Operating Principle	Reed switch / float						
Product Activation Height		ank Configuration					
Operating Temp	Custom-Based on Tank Configuration 0 to +140°F (0 to +60°C)						
Dimensions	Custom-Based on Ta						
Miscellaneous / Notes			endix B in this manual for sens	or sizing			
Product Link	Oil Water Separator			<u> </u>			
Warranty with System	1 Yr Parts & Labor						
Warranty (When purchased separately)	1 Yr Parts Only						

Appendix A - Sensor Type Programming Table

The table below is helpful when selecting Sensor Type (for TLS-3XX Series consoles) or Sensor Model (for TLS4/8601 and TLS-450 and TLS-450PLUS consoles) during sensor setup.

Sensor Type Programming Table for TLS Consoles

Sensor	Form Number	Sensor Category (Location)	TLS-3XX Series Sensor Type	TLS4/8601 Series TLS-450 and TLS-450PLUS Sensor Model
Discriminating Dispenser Pan and Sump Sensors - Standard	794380-322 (DPS), 794380-352 (CSS)	Sump/Pan	Liquid Sensor Setup: Sensor Type - Dual Float Discriminating	Device Setup Liquid Sensor: Model - Dual Float Discriminating
Discriminating Dispenser Pan and Sump Sensors - Optical	794380-320 (DPO), 794380-350 (CSO)	Sump/Pan	3-Wire C.L. Setup: Sensor Mode - Standard	Device Setup Type B Sensor: Model - Ultra/Z-1 (Standard)
Mag Sump Sensor	857080-XXX	Sump/Pan	Smart Sensor Setup: Sensor Category- Mag Sensor	Device Setup MAG Sensor
Solid-State Dispenser Pan and Containment Sump	794380-321 (DP); 794380-351 (CS)	Sump/Pan	2-Wire C.L. Setup: Sensor Type - Ultra 2	Device Setup Type A Sensor: Model - Ultra 2
Piping Sump	794380-208	Sump/Pan	Liquid Sensor Setup: Sensor Type - Tri-State Liquid	Device Setup Liquid Sensor: Model - Tri-State
Position-Sensitive Sensor High Alcohol Compatible!	794380-323	Sump/Pan	Liquid Sensor Setup: Sensor Type - Tri-State Liquid	Device Setup Liquid Sensor: Model - Tri-State
Discriminating Interstitial Sensor for Double-Wall Fiberglass Tanks	794380-343	Annular Space	2-Wire C.L. Setup: Sensor Type - Discrim Interstitial	Device Setup Type A Sensor: Model - Discrim. Interstitial
Interstitial Sensors for Double- Wall Fiberglass Tanks	794390-409	Annular Space	Liquid Sensor Setup: Sensor Type - Tri-State Liquid	Device Setup Liquid Sensor: Model - Tri-State
Interstitial High Alcohol Sensor for Double-Wall Fiberglass Tanks High Alcohol Compatible!	794380-345	Annular Space	2-Wire C.L. Setup: Sensor Type - Ultra 2	Device Setup Type A Sensor: Model - Ultra 2
Interstitial Sensors for Steel Tanks	794390-4X0	Annular Space	Liquid Sensor Setup: Sensor Type - Tri-State Liquid	Device Setup Liquid Sensor: Model - Tri-State
Position Sensitive Interstitial Sensor for Steel Tanks High Alcohol Compatible!	794380-333	Annular Space	Liquid Sensor Setup: Sensor Type - Tri-State Liquid	Device Setup Liquid Sensor: Model - Tri-State
Interstitial High Alcohol Sensors for Steel Tanks High Alcohol Compatible!	794380-430	Annular Space	Liquid Sensor Setup: Sensor Type - Tri-State Liquid	Device Setup Liquid Sensor: Model - Tri-State
MicroSensor High Alcohol Compatible!	794380-344	Annular Space	2-Wire C.L. Setup: Sensor Type - Ultra 2	Device Setup Type A Sensor: Model - Ultra 2
Lluduostatia Dagamain	794380-301 (1 float)	Annular Space	Liquid Sensor Setup: Sensor Type - Tri-State Liquid	Device Setup Liquid Sensor: Model - Tri-State
Hydrostatic Reservoir	794380-303 (1 float)	Annular Space	Liquid Sensor Setup: Sensor Type - Dual Point Hydrostatic	Device Setup Liquid Sensor: Model - Dual Point Hydrostatic
Single-Point Mini Hydrostatic Sensor for Double Wall Sumps	794380-304	Annular Space	Liquid Sensor Setup: Sensor Type - Tri-State Liquid	Device Setup Liquid Sensor: Model - Tri-State
Vapor	794390-700	Monitor Well	Vapor Sensor Setup	Device Setup Vapor Sensor
Groundwater	794380-62X	Monitor Well	Groundwater Sensor Setup	Device Setup Groundwater Sensor
Oil/Water Separator	794690-XXX	Oil/Water Separator Tank	Liquid Sensor Setup: Sensor Type - Dual Float Discriminating	Device Setup Liquid Sensor: Model -Dual Float Discriminating