

Sensor Application Matrix

Sensor Description	Form #	Page #	Where Used							Category						Fuel Compatibility												
			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
DPS Standard Dispenser Pan	794380-322	2	X	X					X						X	X	X	X	X	X	X ¹		X		X		X	X
CSS Standard Containment Sump	794380-352	3		X	X				X						X	X	X	X	X	X	X ¹		X		X		X	X
DPO Optical Dispenser Pan	794380-320	4	X	X					X						X	X	X	X	X	X	X ¹		X		X		X	X
CSO Optical Containment Sump	794380-350	5		X	X				X						X	X	X	X	X	X	X ¹		X		X		X	X
MSS Mag Sump Sensor	857080-XXX	6	X	X	X				X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
SSDP Solid-State Dispenser Pan	794380-321	7	X	X						X					X	X	X	X	X	X			X	X	X		X	X
SSCS Solid-State Containment Sump	794380-351	8		X	X					X					X	X	X	X	X	X			X	X	X		X	X
Piping Sump	794380-208	9	X	X	X					X					X	X	X	X	X	X			X		X		X	X
Non-Discriminating Standalone Dispenser Pan	847990-001	10	X	X	X					X					X	X	X	X	X	X			X		X		X	X
* Position-Sensitive	794380-323	11	X	X	X					X	X				X	X	X	X	X	X	X	X	X	X	X		X	X
Interstitial for Fiberglass Tanks, Discriminating	794380-343	12					X		X						X	X	X	X	X	X			X	X	X	X	X	X
Interstitial for Fiberglass Tanks	794390-409	13					X			X					X	X	X	X	X	X			X		X			
Interstitial for Fiberglass Tanks, High Alcohol	794380-345	14					X			X					X	X	X	X	X	X	X	X	X	X	X	X	X	X
Interstitial for Steel Tanks	794390-4X0	15			X	X				X					X	X	X	X	X	X			X		X		X	X
Interstitial for Steel Tanks, Position Sensitive ²	794380-333	16		X			X			X	X				X	X	X	X	X	X	X	X	X	X	X		X	X
Interstitial for Steel Tanks, High Alcohol	794380-430	17					X			X					X	X	X	X	X	X	X	X	X	X	X		X	X
Interstitial for Steel Tanks, High Alcohol, small footprint	794380-344	18		X			X			X					X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hydrostatic Reservoir (Dual Point)	794380-303	19					X						X	X	X	X	X	X	X	X	X ¹	X ¹	X		X		X	X
Single-Point Hydrostatic Sensor	794380-301	20					X						X	X	X	X	X	X	X	X	X ¹	X ¹	X		X			
Single-Point Mini-Hydrostatic Reservoir (High Alcohol)	794380-304	21					X						X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
Vapor	794390-700	22					X							X			X	X	X									
Groundwater	794380-62X	23					X							X	X	X	X	X	X	X			X		X		X	X
Oil / Water Separator	794690-XXX	24					X							X	X	X	X	X	X				X				X	X

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)

²Small Containment Areas (i.e. Spill Buckets)

Sensor Description	Position Sensitive Sensor	This Sensor is installed in a containment sump or dispenser pan and will detect the presence of, and differentiate between, hydrocarbons and other liquids.	Sensor Matrix
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Form Number	794380-323
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Where Used (Typical)	<input checked="" type="checkbox"/> Dispenser Pan <input type="checkbox"/> Annular Space <input checked="" type="checkbox"/> Spill Containment <input type="checkbox"/> Monitoring Well <input checked="" type="checkbox"/> STP Sump <input type="checkbox"/> Oil/Water Separator Tank <input type="checkbox"/> Convault Tank	Category
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Fuel Compatibility	<input checked="" type="checkbox"/> Gas <input checked="" type="checkbox"/> E-15 <input checked="" type="checkbox"/> Green Diesel <input checked="" type="checkbox"/> Diesel <input checked="" type="checkbox"/> E-85 <input type="checkbox"/> DEF <input checked="" type="checkbox"/> Kerosene <input checked="" type="checkbox"/> E-100 <input checked="" type="checkbox"/> Waste Oil <input checked="" type="checkbox"/> Jet Fuel <input checked="" type="checkbox"/> Bio-Diesel 20 <input checked="" type="checkbox"/> Motor Oil <input checked="" type="checkbox"/> Aviation Gas <input type="checkbox"/> Bio-Diesel 100	<input type="checkbox"/> Discriminating <input checked="" type="checkbox"/> Non-Discriminating <input checked="" type="checkbox"/> Position Sensitive <input type="checkbox"/> Level Sensing <input type="checkbox"/> Static Testing <input type="checkbox"/> Hydrostatic
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Console Compatibility (*International Only ¹)	Recommended Min. Console Software	Sensor Interface Modules				
		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 (USM)	Up to 4 - TLS-4XX Up to 8 - TLS-4XX w/opt. TLS-XB	16	Sold Separately
TLS-450	4A or Higher	332812-001				
¹ TLS4 (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Output Module (USIOM-AC)	1	12	Included
TLS4i (8601 Series)		330020-750				
¹ TLS4B (8601 Series)		330020-751				
TLS4c (8601 Series)		330020-751				
TLS-350/R/PLUS	124/324 or higher	329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J		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 State - No liquid detected
	Sensor Out alarm	Sensor not resting on bottom of containment or sensor not communicating to ATG/Console
	Fuel alarm	Liquid detected in containment area at approx. 1.5" (3.81cm)

Installation Kit	330020-012	Universal Sensor Mounting Kit (Sold separately)
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Specifications	
Operating Principle	Product permeable, reed switch /float
Product Activation Height	Liquid - Approx. 1.5" (3.81cm)
Operating Temp	+32 to +140°F (0 to +60°C)
Dimensions	12" (30.5cm) high, 2.2" (5.6cm) dia.
Miscellaneous / Notes	Standard Cable Length: 12 Feet (3.66m).
Third Party Evaluation Links	TLS-3XX/TLS-450 Series Consoles TLS4 (8601Series) Consoles
Product Link	Position Sensitive Sensor
Warranty with System	1 Yr Parts & Labor
Warranty (When purchased separately)	1 Yr Parts Only

