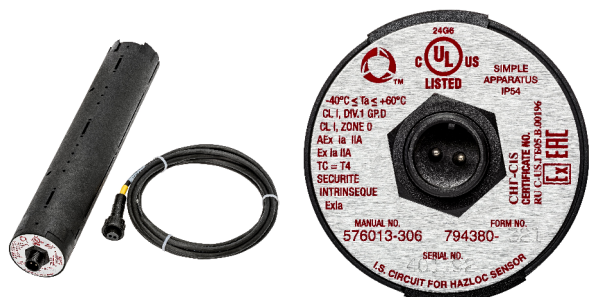
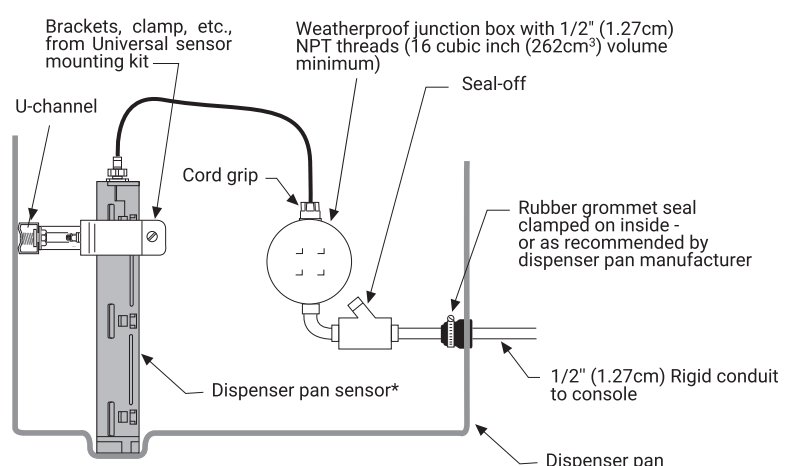


Sensor Description	Solid-State - Non-Discriminating Dispenser Pan Sensor		This Solid-State, Non-Discriminating Sensor is installed typically in a dispenser pan location to detect the presence of a liquid. Its optical liquid level technology requires no moving parts, allowing it to operate in sub-zero temperatures.			
Part Number	794380-321					
Category	<input type="checkbox"/> Discriminating <input checked="" type="checkbox"/> Non-Discriminating <input type="checkbox"/> Position Sensitive		<input type="checkbox"/> Level Sensing <input type="checkbox"/> Static Testing <input type="checkbox"/> Hydrostatic			
Fuel Compatibility	<input checked="" type="checkbox"/> Gas <input checked="" type="checkbox"/> Diesel <input checked="" type="checkbox"/> Kerosene <input checked="" type="checkbox"/> Jet Fuel <input checked="" type="checkbox"/> Aviation Gas		<input checked="" type="checkbox"/> E-15 <input checked="" type="checkbox"/> E-85 ¹ <input type="checkbox"/> E-100 <input checked="" type="checkbox"/> Bio-Diesel 20 <input checked="" type="checkbox"/> Bio-Diesel 100		<input checked="" type="checkbox"/> Green Diesel <input type="checkbox"/> DEF <input checked="" type="checkbox"/> Waste Oil <input checked="" type="checkbox"/> Motor Oil	
¹ Single use only (Test per Sensor Operability Guide in E-10 or less)						
Console Compatibility (*International Only¹)	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)	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					
TLS4 (8601 Series) ¹ TLS4i (8601 Series)	6A or Higher	330020-750	Universal Sensor Input Out-put Module (USIOM-AC)	1	12	Included
TLS4B (8601 Series) ¹		330020-751			6	
TLS4c (8601 Series)						
TLS-350/R/PLUS	124/324 or Higher	329956-001	Type A Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J	N/A					
TLS-300i						
TLS-300C						
Alarm Notification	Normal	Sensor in Normal State - No liquid detected				
	Fuel Alarm	Liquid detected - Approx. 1.0" (2.54cm)				
	Sensor Out	Sensor not communicating to ATG/Console				
Installation Kit	330020-012	Universal Sensor Mounting Kit (sold separately)				
Specifications			Example Installation			
Operating Principle	Optical - Looking at phase changes in the light beams by causing them to interact or interfere with one another		 <p>Brackets, clamp, etc., from Universal sensor mounting kit</p> <p>Weatherproof junction box with 1/2" (1.27cm) NPT threads (16 cubic inch (262cm³) volume minimum)</p> <p>Seal-off</p> <p>U-channel</p> <p>Cord grip</p> <p>Rubber grommet seal clamped on inside - or as recommended by dispenser pan manufacturer</p> <p>Dispenser pan sensor*</p> <p>1/2" (1.27cm) Rigid conduit to console</p> <p>Dispenser pan</p>			
Product Activation Height	Fuel or Water - Approx. 1" (2.54cm)					
Operating Temperature	-40 to +122°F (-40 to +50°C)					
Dimensions	11.6" (29.4cm) high, 2.2" (5.6cm) dia.					
Miscellaneous/Notes	Standard Cable Length: 12ft (3.66m)					
Third Party Evaluation Links	TLS-3XX/TLS-450 Series Consoles TLS4 (8601 Series) Consoles					
Product Link	Solid-State - Non-Discriminating Dispenser Pan Sensor					
Warranty with System	1 Yr Parts & Labor					
Warranty (When purchased separately)	1 Yr Parts Only					
Where Used (Typical)	<input checked="" type="checkbox"/> Dispenser Pan <input checked="" type="checkbox"/> Spill Containment <input type="checkbox"/> STP Sump					

*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.

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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>