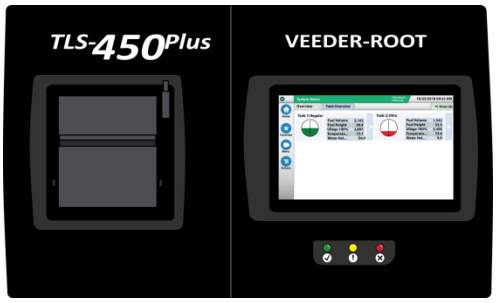
Equipment Check Guidelines for PMP Piping Sump Sensors p/n 63228 and 63229 with TLS-450 Plus© and TLS 4x consoles

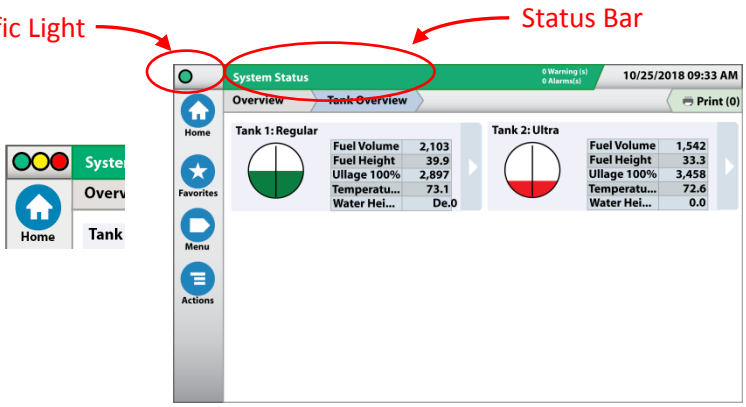


The purpose of this checklist is to provide regulators and inspectors quick access to information related to these sensors. This checklist cannot replace the Veeder-Root© console manuals and assumes that the console has been properly configured for a Veeder-Root 794380-208 sensor. For detailed operational instructions of the TLS-450 Plus console, please refer to the OEM manuals. For testing instructions, refer to the **Functional Test Procedure** shown in the product manual.

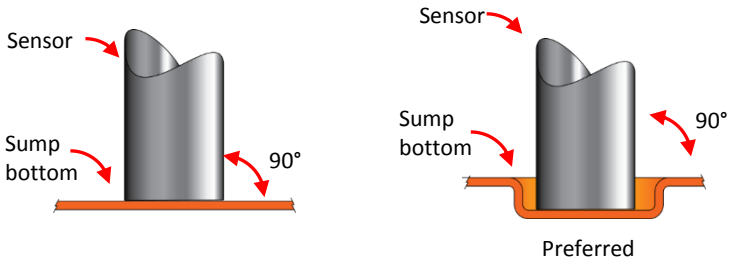
1. Sensors must be inspected annually. The station owner should refer to documentation such as the EPA's "Operating And Maintaining UST Systems" and PEI RP900-17 "Recommended Practices for the Inspection and Maintenance of UST Systems. These documents provide information on visual inspection of the sump, sump integrity, sensor installation and operability. Operability testing procedures for this sensor can be found at the back of the PMP Piping Sump Sensor manual.

2. Confirm the power is on to the TLS console. The green *Power* lamp should be the only lamp illuminated during normal operation.

3. Verify there are no active alarms. Under normal circumstances the console will display "System Status" in the system status window (similar to the display at right) and *only* the green Traffic Light will be on.



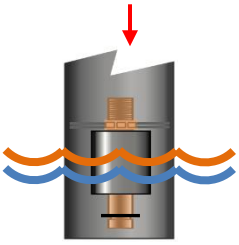
4. Verify the sensor is mounted correctly and sitting in the lowest part of the sump. Some sumps may have a feature specifically for positioning the sensor below the surface of the sump.



5. The sensor is a float switch design. It has three states when installed in the TLS console: Float Down, Float Up and Sensor Out. It is therefore programmed as a "Tri-State" during the TLS setup.

Float down

Float up



Sensor Out

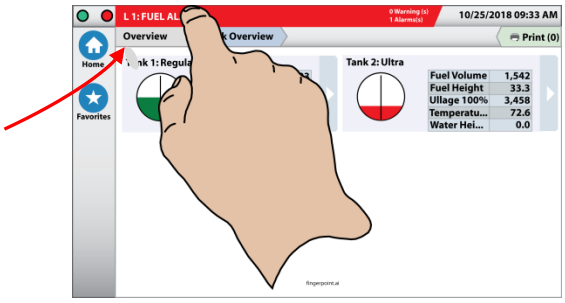
Possible causes:
- Failed sensor
- Bad field connections
- Failed sensor cable
- Failed Interface Module

6. If liquid is detected, the console will go into alarm. The beeper will sound, the *red* lamp will flash.

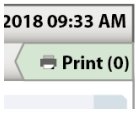
7. The *red* Traffic Light will also appear and the Status Bar will display the alarm.

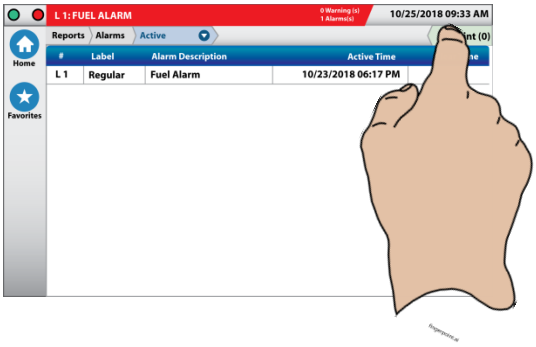
You can press the Status Bar to jump to the Reports> Alarms > Active screen.

The beeper will continue to sound until the alarm has been acknowledged.

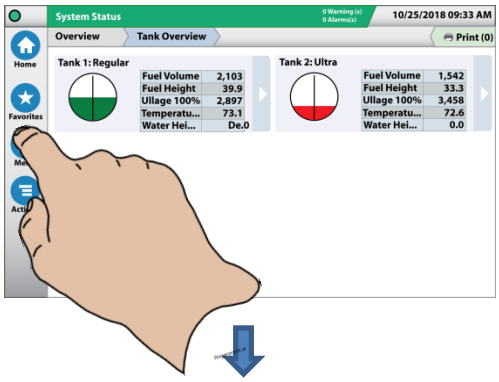


Touching the Print button, at any time, will print reports currently on the screen.

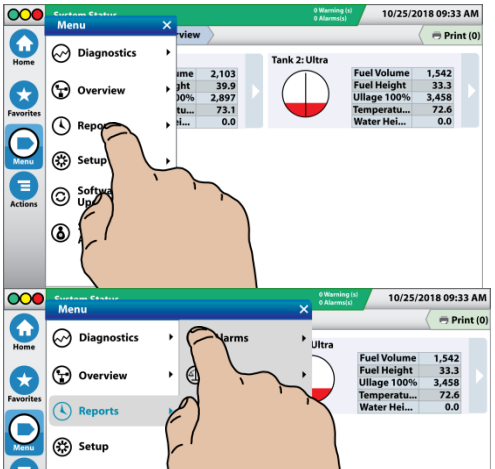




8. To view history reports from the Home screen, press the Menu icon.

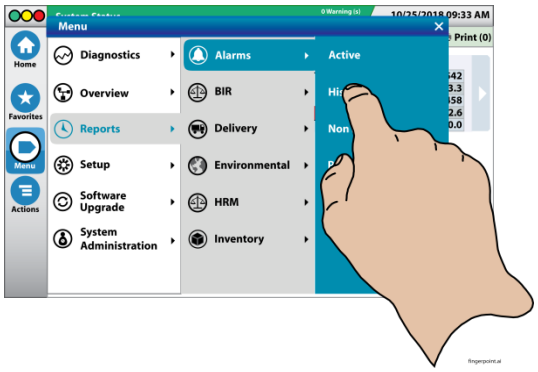


9. When the Menu appears, select Reports.

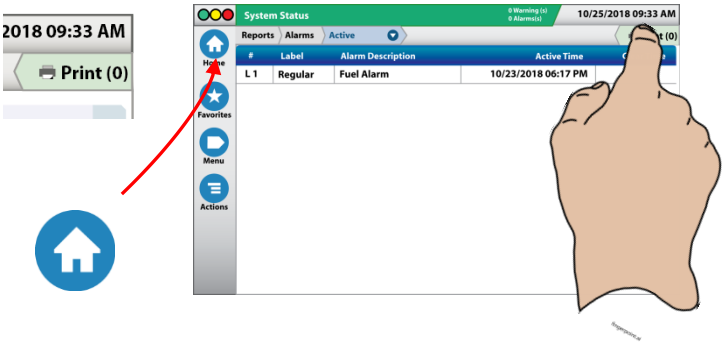


10. When the Reports menu appears, select Alarms.

    You can now choose from Active alarms, History, Non Priority and Priority alarms.



11. Select History and the history report will appear.



12. Touching the Print button, at any time, will print reports currently on the screen.

    Press the Home icon to return to the Home screen.

"L" indicates "Liquid". The number that follows is the position in-which the sensor is installed on the Interstitial Sensor Interface Module.

13. If the console cannot determine the status of the sensor, it will result in a "Sensor Out" alarm. A few examples of what might cause this alarm are; failed sensor, bad field connections, bad sensor cable or interface module etc.

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AL'S GAS
123 WINDY AVE
CHICAGO, IL

SENSOR STATUS REPORT  ALL SENSORS


#    SENSOR LOCATION    STATUS


L 1  UNLEAD             NORMAL
L 2  PREMIUM            NORMAL
L 3  DIESEL             NORMAL
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SAMPLE REPORT

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