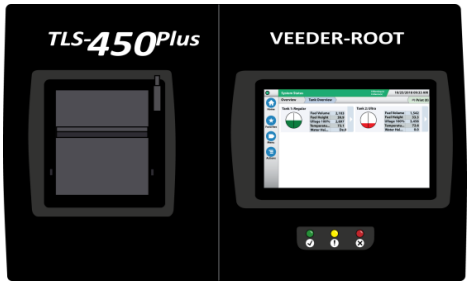
Equipment Check Guidelines for PMP Steel Tank Interstitial Sensors p/n 63420 and 63460 with TLS-450 Plus© and TLS 4x consoles



The 63420 and 63460 sensors are equivalent to the Veeder-Root© 794380-420 and 794380-460. The purpose of this checklist is to provide regulators and inspectors quick access to information related to these sensors. This checklist cannot replace the OEM system manuals. This checklist assumes that the console has been properly configured for this particular sensor.

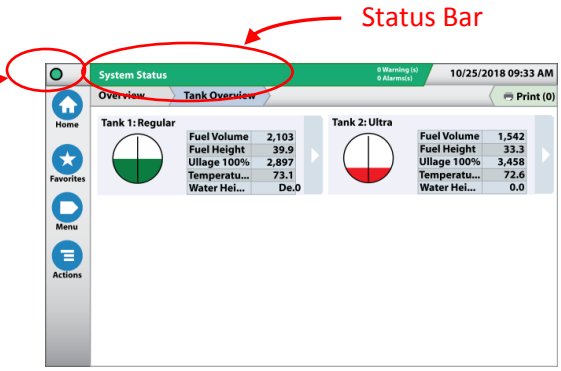
For detailed operational instructions of the TLS-450 *Plus* consoles, please refer to the OEM manuals. For testing instructions, refer to the **Functional Test Procedure** shown in the product manual.

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 for visual inspection of the sensor installation and operability. Operability testing procedures for this sensor can be found at the back of the PMP Steel Tank Interstitial Sensor manual.

2. There are no recommended maintenance procedures required for this sensor.

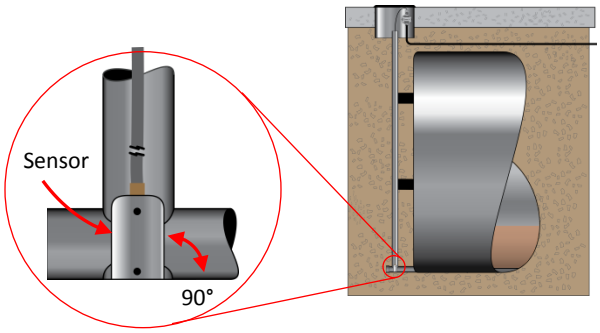
3. Confirm the power is on to the TLS console. The green *Power* lamp should be the only lamp illuminated during normal operation.

4. 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.



5. Verify the sensor is sitting upright at the bottom of the riser pipe.

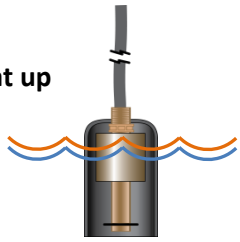
6. The sensor is a float switch design. It has three states when installed in the TLS console: Float Down, Float Up and Sensor Out. It is therefore programmed as a "Tri-State" during the TLS setup.



Float down
(normal)

AUG 28, 2016 10:43:00 AM
ALL FUNCTIONS NORMAL

Float up



AUG 28, 2016 10:43:00 AM
L 1: FUEL ALARM

Sensor Out

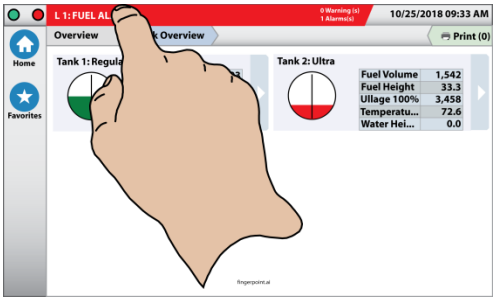
Possible causes:
- Failed sensor
- Bad field connections
- Failed sensor cable
- Failed Interface Module

AUG 28, 2016 10:43:00 AM
L 1: SENSOR OUT ALARM

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

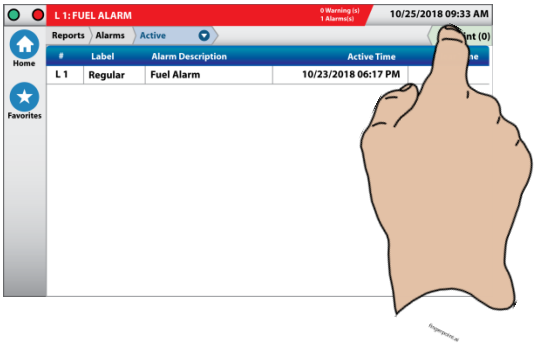
8. The *red* Traffic Light will also appear and the Status Bar will display the alarm.

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

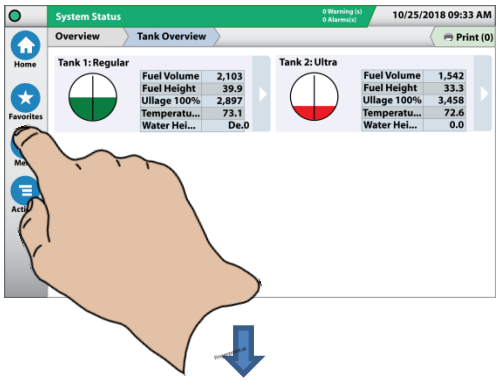


The beeper will continue to sound until the alarm has been acknowledged.

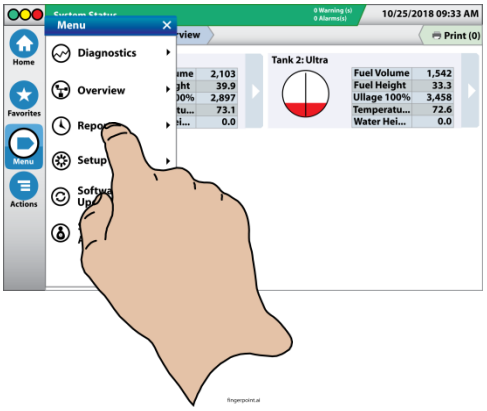
Touching the Print button, at any time, will print reports currently on the screen.



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

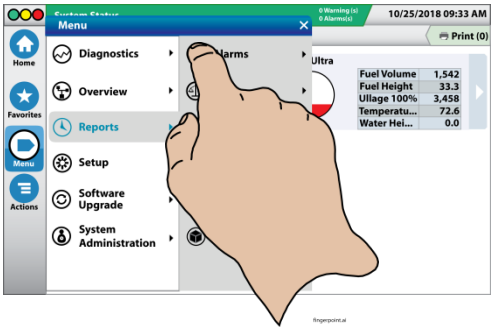


10. When the Menu appears, select Reports.

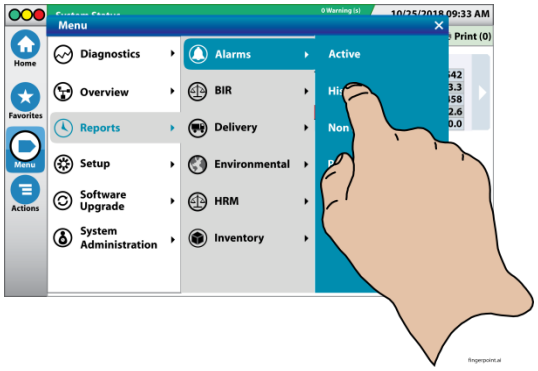


11. When the Reports menu appears, select Alarms.

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

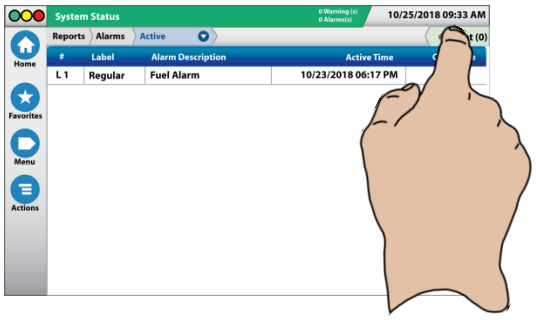


12. Select History and the history report will appear.



13. 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.

14. 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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