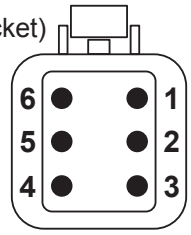
SL Series Level Monitor Testing Procedure

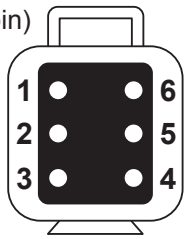
Date Originated: 11/11/06	Revision: A	Revision Date:
Subject: For Testing SL Series Level Monitors Systems		

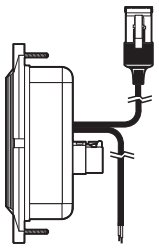
The SL Level Monitor is a pressure transducer system that converts pressure (psi) into voltage. The 5.0 VDC sensor outputs 0.25-0.31 VDC at no pressure up to a max of 4.5 VDC at 69" of water.

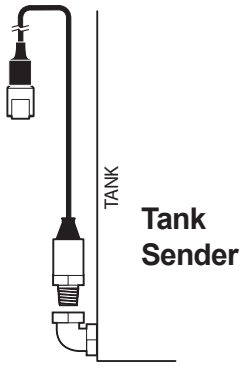
Display (Deutsch 6 socket)
1 - White (Signal)
2 - Bare (Shield)
3 - Green
4 - Blue
5 - Red (+)
6 - Black (-)



Sensor (Deutsch 6 pin)
1 - White (Signal)
2 - Bare (Shield)
3 - Vent
4 - Vent
5 - Red (+)
6 - Black (-)





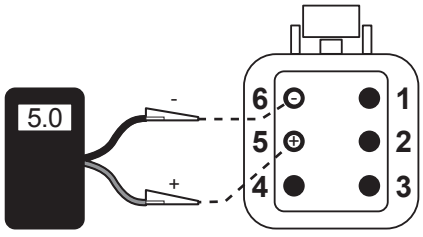


Notes:
1. Extension cables have the same wiring diagram as the display.
2. Brown wire is not used.

Testing Procedure

Step 1: Check Display Voltage

With the display powered up (12V or 24V), check the #5 Red (+) and #6 Black(-) sockets with a voltmeter. The reading should be 5.0 VDC.



Step 2: Check Sender Voltage

Apply 5.0 VDC to Pins #5 Red (+) and #6 Black (-). Use a voltmeter to take a reading from pin #1 White (signal+) to #6 Black (-). With the tank empty (no pressure), the reading should be 0.25-0.31 VDC. As pressure is increased, the reading should increase to a max. of 4.5 VDC.