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SLX 220 Operation and Maintenance

Mounting

Mount the sensor as instructed in document 10003-0001 "Model SLX Transducer Installation Instructions".

Calibration

A SLX 220 Submersible Level Transmitter ordered for a specific application is typically factory calibrated to the specifications on the customer's purchase order. Therefore, the SLX 220 should not need calibration. If field calibration is required, reference document 10014-0001 "Model T420 4-20 mADC Transmitter Calibration."

Maintenance

The SLX has been designed a minimum amount of maintenance.

If there has been flooding of the enclosure which houses the T420 electronics, clean and dry the exterior of the enclosure before opening. Next, inspect and test the T420 for proper operation. It is recommended that the hydrophobic vent be replaced (part number 30010-0001) to ensure proper venting of the sensor to atmospheric pressure.

Periodically inspect the transducer's mounting. Ensure that the cable is secured by at least two cable ties.

Troubleshooting

Proper operating voltages are as follows:

Loop power Terminals 1 & 2 polarity insensitive	12-40 VDC	
Sensor excitation voltage Terminal 4 – positive Terminal 5 – common	5 VDC	+/- 0.25 VDC
Return signal Terminal 5 – common Terminal 6 – positive	0.5-4.5 VDC	Proportional to level excursion relative to sensor PSI range

If an elevated signal is being transmitted, inspect the transducer's mounting and the bottom of the sump to ensure that the transducer is not resting on the bottom of the sump. If a low mA level is measured using the current test points, measure the current by breaking the loop.

Proper calibration can be assured by removing the submersible sensor from the sensed media and calibrating according to document 10014-0001 "Model T420 4-20 mADC Transmitter Calibration."

Specifications

Refer to the SLX 220 Sales Brochure (document 10001-0001) for general reference.