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SLX 130-M Operation and Maintenance

Mounting

Mount the sensor as instructed in document 10003-0001 "Model SLX 130 Transducer Installation Instructions".

Calibration

The SLX 130-M Submersible Level Transmitter is factory calibrated to a nominal 4-20 mADC output over the specified pressure range.

Maintenance

The SLX has been designed for a minimum amount of maintenance. If there has been flooding of the enclosure that houses the sealed breather assembly or any associated electronics clean and dry the exterior of the enclosure before opening. Inspect and test the electronics in the panel for proper operation – if liquid has reached the electronics, it is recommended that the electronics be replaced. If applicable, it is recommended that the hydrophobic vent (part number (30010-0001) be replaced 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.

Wiring

Sensor excitation voltage	10-30 VDC	Red = power
Output current	4-20 mADC	Black = return signal

Troubleshooting

For troubleshooting, the sensor may be powered directly by a 12 or 24 VDC supply with the return going directly to the power supply common. This removes extraneous hardware from consideration.

Measure the operating voltage of the sensor by placing the DVM "common" on the Black wire, place the DVM "positive" on the Red wire. Assure a 10-30 VDC supply voltage. If no power is sensed - disconnect the power supply and the sensor and ohm out the power wires to confirm their integrity.

Measure the operating current by opening the 4-20 mA loop and inserting an ammeter in series. Remember that the ability of the transmitter to drive 4-20 mADC into a load is proportional to the supply voltage.

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.

Specifications

Refer to the SLX 130 Sales Brochure (document 10175-0001) for general reference.