PMT pressure SENSORS
AMETEK

Troubleshooting **Submersible Sensors**

USG-016

Before You Request an RMA

Review This List of Helpful Tips That May Help You Troubleshoot Your Unit in the Field



AMETEK PMT Submersible Sensors are made with precision and attention to detail. To help save you time and minimize your potential returns, please review the following trouble shooting suggestions:

1 If you suspect a problem, please remove the power then lift the sensor out of the liquid (or at least uncover the sensor). Please check the cable for any nicks or breaks in the outer cable jacket.

2 If no nicks or breaks are visible in the outer cable jacket, check for 4 mA after you reapply power. If it is not near 4 mA, there is a problem. Make sure you have at least 12-24 VDC present at the transmitter when you connect power.

3 If the zero is near 4 mA, remove power, then insert the questionable sensor into a known depth and determine if it is reading correctly after you apply power.

4 If you have a calibrated pressure measurement system, you can check the zero and FS using your pressure calibrator. Check the calibrated range info on the product label etching.

5 Check to determine if water or moisture has intruded into the sensor. Disconnect from your power source, tie the red and black leads together, then measure to the green wire (case ground) with a Megohm meter. The reading should be 18-22 Megohm. A reading of 10 M or lower may be affecting the circuit. A full leak will usually read in the Kohm level. A reading even lower than a few Kohm's may indicate a short circuit inside.

6 If none of these solutions work please contact our Customer Service Department for additional support or to request an RMA number to return the unit to the factory. Please email us at **mctpmt.sales@ametek.com.**



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