



<b>OIL FILL PROCEDURE AND CAPILLARY TUBE ASSEMBLY INSTALLATION</b>
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The pressure sensor used in your instrument is exposed to ambient pressure through a pressure port and an oil-filled capillary. The oil provides the required pressure coupling and is an electrical insulator that prevents corrosion due to the dissimilar material compositions of the transducer and instrument housing.

Included with your instrument is a capillary tube installation kit. The following procedure will provide guidance to allow you to install the capillary onto the instrument.

Should you require further assistance please do not hesitate to contact Falmouth Scientific and ask to speak to a customer service representative.

The following parts should be included in your kit:

<b>Part Number</b>	<b>Quantity</b>	<b>Description</b>
1400-65361	1	Nalgene Bottle
5400-1A653	1	Syringe
5400-TS19X1	1	Needle
2826-NY1001OR	1	Capillary Body Assembly
A150-044	1	Capillary Tube
B150—024-3	1 ounce	Oil, Dow Corning 200 CTS
2520-B3902	1	O-Ring
AN2005001	1	Oil Fill Procedure

Should you require additional parts from this kit please contact a Falmouth Scientific sales representative. Please have the part number on hand to acquire price and delivery information.



**Step #1:**

Place the instrument on a flat surface with the pressure port cavity pointed up.



**Step #2:**

Assemble the syringe and insert a small amount of oil from the Nalgene bottle into the syringe. Fill the pressure port cavity to the top with the oil.



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**Step #3:**

Thread the capillary assembly into the pressure port slowly. You should see the oil wick up into the capillary tube as you thread the assembly into the end cap. Have an absorbent paper towel on hand to clean up any overflow that you may have.


**Step #4:**

Hand-tighten the assembly all the way onto the end cap. The threads will no longer be exposed and the o-ring will seat onto the end cap. Have an absorbent paper towel on hand to clean up any overflow that you may have.



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**Step #5:**

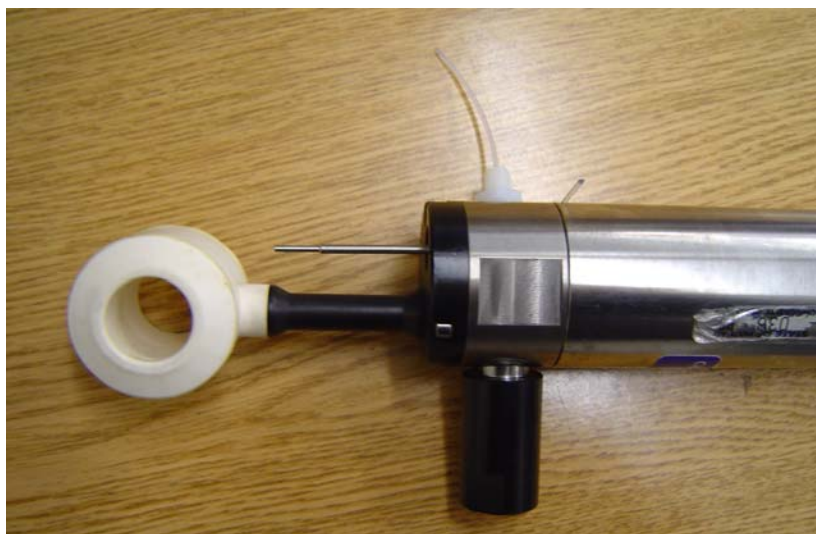
Using a wrench, tighten the assembly onto the end cap.

**\*\*\*DO NOT OVER TIGHTEN\*\*\***

Have an absorbent paper towel on hand to clean up any overflow that you may have.

If no oil is observed in the capillary tube repeat steps 1-5.

The installation is complete and the instrument is ready to be deployed.



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