

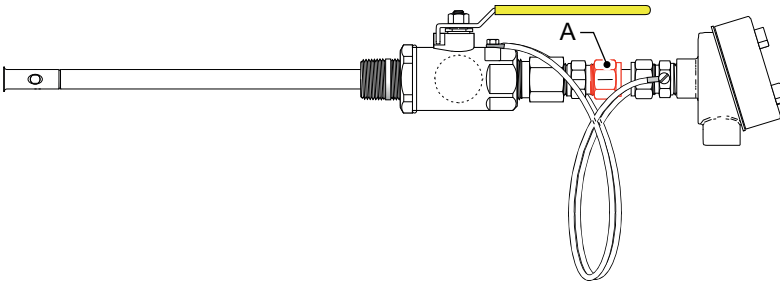
Swansensor Retracon

A-87.382.xxx



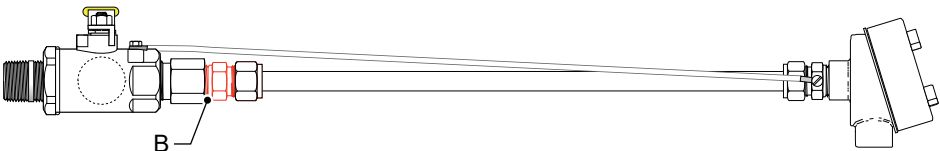
Initial Installation

- 1 Insert to desired depth in a non-pressurized line or hold the assembly in a vise and extend to the length desired. Be sure the insertion amount is accurate, as the setting of the swage fitting [A] will semi-permanently fix it.
- 2 Turn the swage nut finger tight and put index marks on the nut and the hex shoulder to track the swaging turn.
- 3 Hold the body hex with one wrench and with a second wrench turn the nut 1-1/4 turns. You may have to loosen or remove the lanyard to freely turn the nut.



Removing the Sensor

- 1 Pushing against the junction box to keep the sensor from snapping out, remove the nut on swage fitting [A] and let the sensor come gently back until the lanyards are fully extended, then close the valve.
- 2 Make sure no strain is placed on the extended sensor body lest it bend, and allow the trapped liquid to cool.
- 3 When fully cooled, remove one end of the lanyards and disengage the pipe thread at point [B].



Reinstalling the Sensor

- 1 Clean thread [B] and apply nickel or silver anti-galling compound followed by Teflon pipe thread tape. Tighten it back in place. Put a light coat of silicone grease on the sensor shaft to lube the o-ring in swage fitting [A].
- 2 Open the valve and push the sensor into the line until you can hand-tighten the nut snugly on swage fitting [A]. Using two wrenches, turn the nut until you encounter resistance then turn an additional 1/4 turn only.

Electrical Connections

Cable inside sensor	Function	Cable to SWAN transmitter
black	Inner electrode	brown
white and clear	Outer electrode and shield	black
red	Pt1000	white
green	Pt1000	green

Connect the cable to the transmitter according to the connection diagram in the corresponding manual.

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