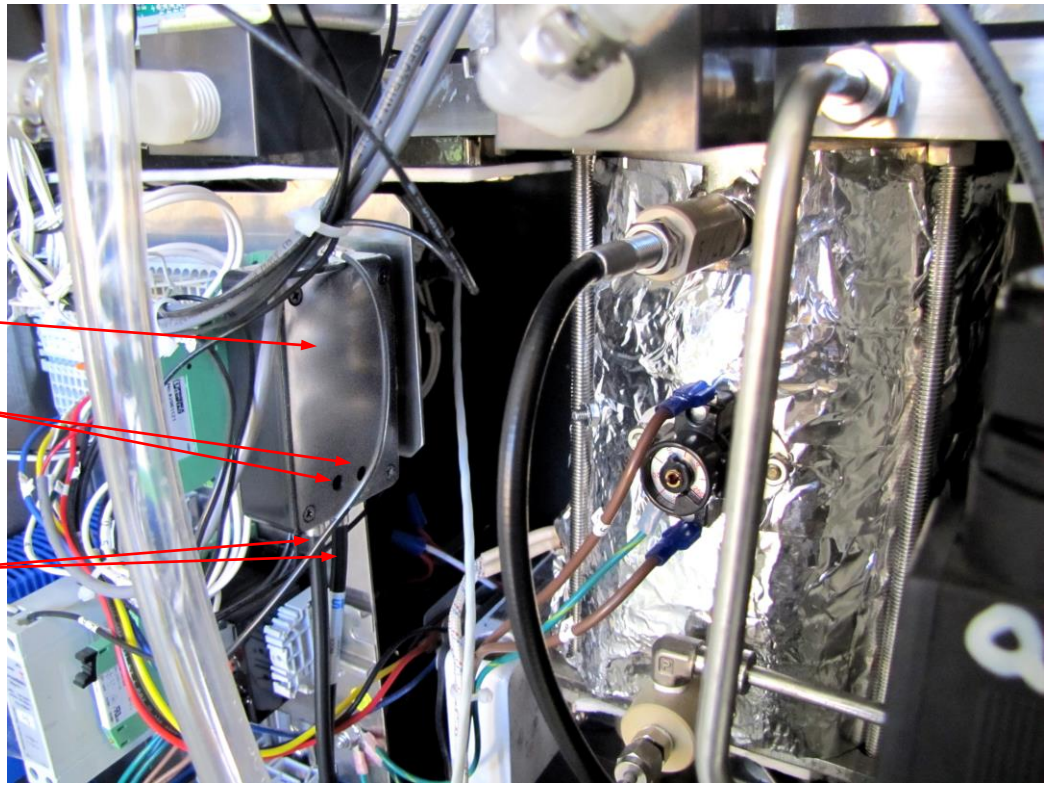
Level Sensor (Analog) Module Replacement
A2000/A2000I

Service Procedure **008**
Revised: 01/13/2023 AES

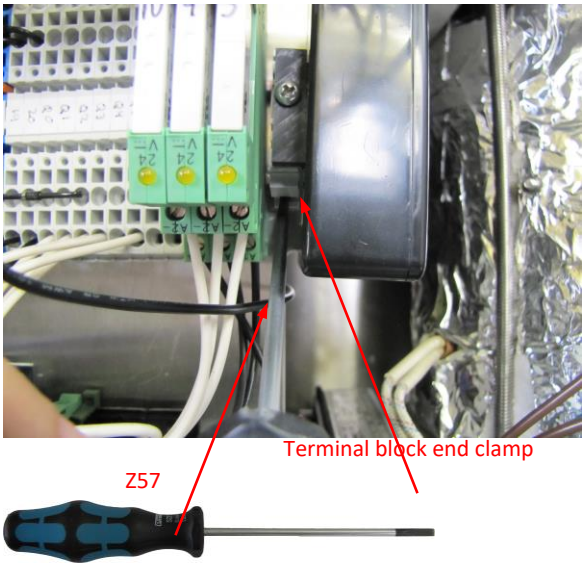


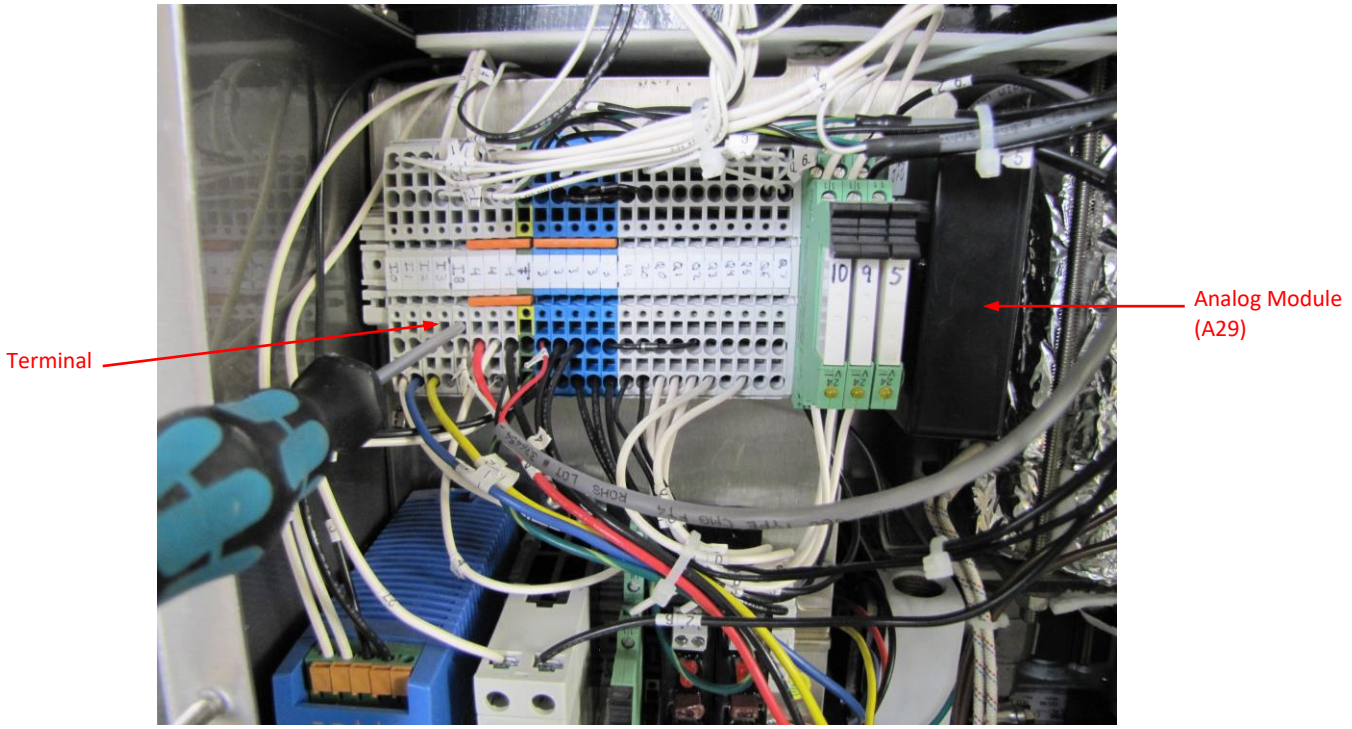
Replacing the Analog Level Sensor Module (A29):

For Instruments delivered after 4/09

Note: If your A2000/A2000I has SICK Module, see Service Procedure 11.

1. Turn the A2000 off.
2. Slide the head of the Z57 screw driver (provided with the instrument) into the slot in the bottom of the terminal block end clamp and lift up to remove the Analog Module (A29) from the DIN Rail.
3. Use a flathead screwdriver to loosen the set screws that hold the two ends of the fiber optic cable in the socket of the A29.
4. Remove the two ends of the fiber optic cable and insert them into the new A29 Analog Module.
5. Secure the two ends of the fiber optic cable by tightening the set screws. Make sure the ends are fully inserted before securing. Be careful not to over tighten the screws.



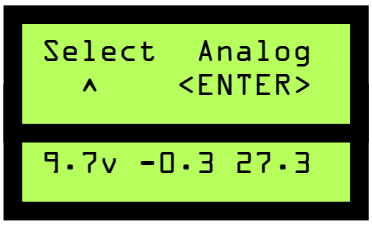


6. There are 3 wires extending from the Analog Module (A29): #3, #4, #I8. Remove the # I8 wire from the old A29 module. Insert the Z57 screwdriver into the square hole directly next to the wire you want to remove. Don't push too hard. It should snap in to release the wire. While the screwdriver is still in place, insert the new wire with the same number. Remove the screwdriver. Gently tug on the wire to make sure it is securely in place.

7. Repeat the process for the remaining 2 wires (#3, #4).

8. Attach the new A29 to the DIN Rail.

9. Turn the A2000 on. Press the DOWN arrow button on the front of the instrument until you see the analog screen and press ENTER. With the vessel empty the level sensor voltage should be between 6-10V.



10. Fill the vessel with about 2L of water, covering the glass tip. The level sensor voltage should drop between 0-3V.