

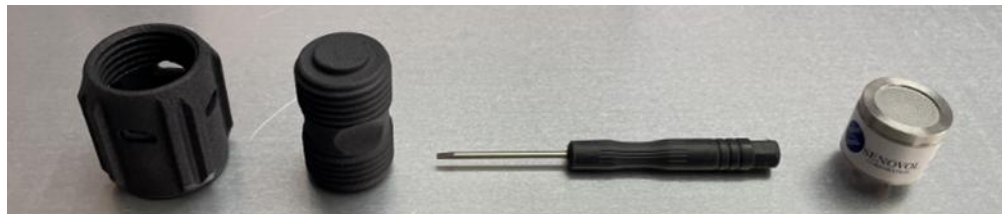
Maintenance of Senovol 4-series PID sensors does not require any special tools. The full procedure is provided in Tech Note 200702, *Maintenance of 4S PID*, available at the link below:

https://senovol.com/uploads/products/Tech_Notes/TN200702_Maintenance%20of%204S%20PID.pdf

However, for customer convenience, Senovol has developed a dedicated Lamp Removal Tool (P/N: MEC-900S-0001) to support quick and efficient UV lamp cleaning on 4-series PID sensors. The following procedure describes the correct method for using this tool.

1. Required Tool

- Name: Lamp Removal Tool, 4-Series
- Description: Tool Kit, 4-Series PID Lamp Removal
- Part Number: MEC-900S-0001



Fixture Body Press Head Slotted Screwdriver PID Sensor

Figure 1



Figure 2

2. Quick Disassembly Procedure

- 1) Check whether the sensor label covers the upper-cover opening notch (see Figure 2). If it does, remove the label before continuing.

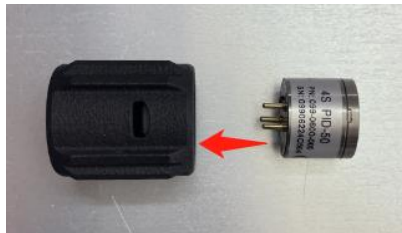


Figure 3



Figure 4

- 2) Insert the sensor into the Fixture Body and align the upper-cover opening notch with the corresponding hole on the fixture body (see Figure 3).
- 3) Secure the sensor by holding the sensor pins with your left hand to ensure it remains in position (see Figure 4).

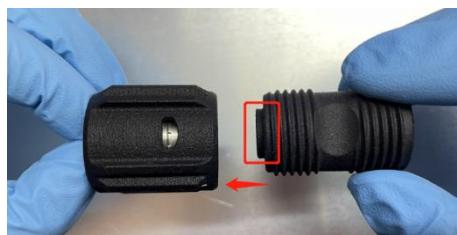


Figure 5

- 4) Screw the Press Head into the Fixture Body, ensuring that the protruding end (convex end) of the Press Head makes direct contact with the sensor (see Figure 5).



Figure 6



Figure 7



Figure 8

- 5) Insert the flat-head screwdriver into the fixture hole (see Figure 6).
 - a. Pry once to loosen the metal housing (see Figure 7 and 8).
 - b. Rotate the sensor 180 degrees and pry a second time to complete the disassembly.
- 6) Unscrew the press head and remove the sensor from the Fixture Body.

3. Quick Installation Procedure

- 1) Place the mesh sheet into the upper cover, followed by the PTFE membrane. Ensure both components are perfectly concentric with the upper cover.
- 2) Position the assembled upper-cover (with the mesh and membrane installed) onto the sensor body, press it into place, and then insert the complete sensor assembly into the Fixture Body (see Figure 9).

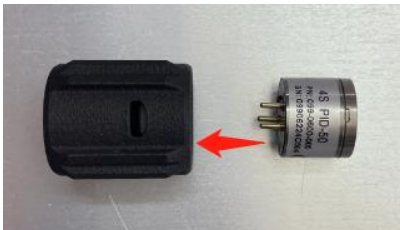


Figure 9



Figure 10



Figure 11

- 3) Screw the Press Head into the Fixture Body, ensuring that the center-recess end (concave end) of the Press Head makes direct contact with the sensor. Tighten the Press Head until the upper-cover is fully pressed down and seated against the sensor body (see Figure 10). If additional tightening is required, insert the flat-head screwdriver into the top hole of the Press Head and rotate clockwise to secure the assembly (see Figure 11).
- 4) Observe through the fixture hole (refer to Figure 6, 7 and 8) to verify that the upper-cover and sensor body are properly installed and seated.
- 5) Unscrew and open the fixture to retrieve the fully assembled sensor.