



**METER**  
ENVIRONMENT

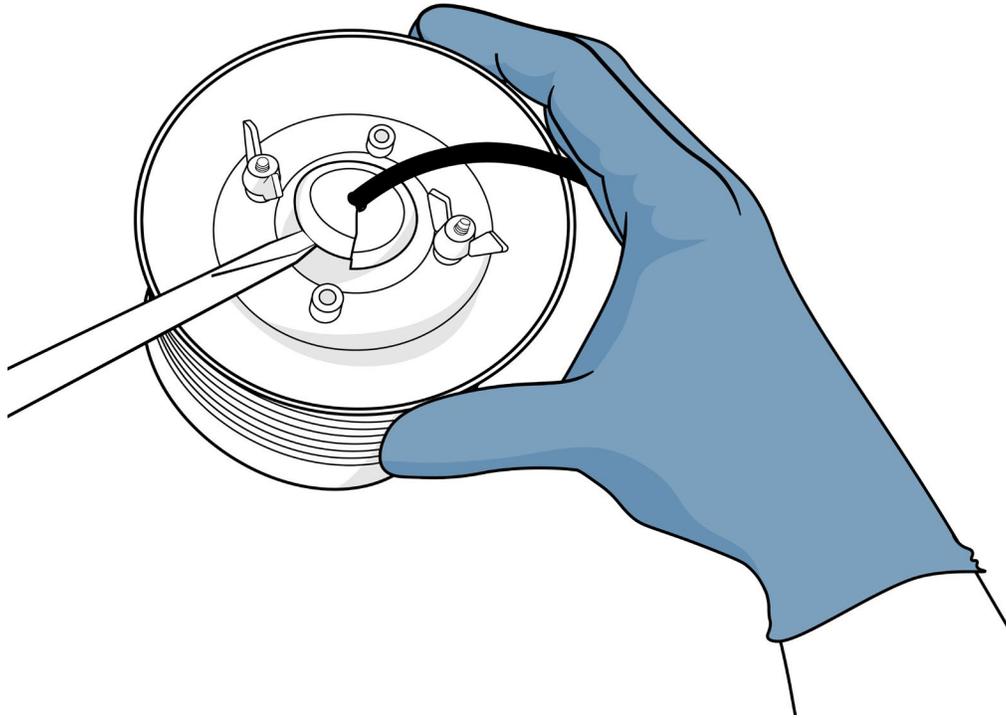
## **ATMOS 14 RH/TEMPERATURE/BAROMETRIC PRESSURE DAUGHTERBOARD REPLACEMENT**

These step-by-step instructions will explain the process for replacing the sensor daughterboard in the ATMOS 14. Please note that these instructions are only valid for the ATMOS 14 Gen 2 sensor (white plastic housing with blue rubber cap) and not the first generation ATMOS 14 (black plastic housing). You will need the following supplies to change the daughterboard

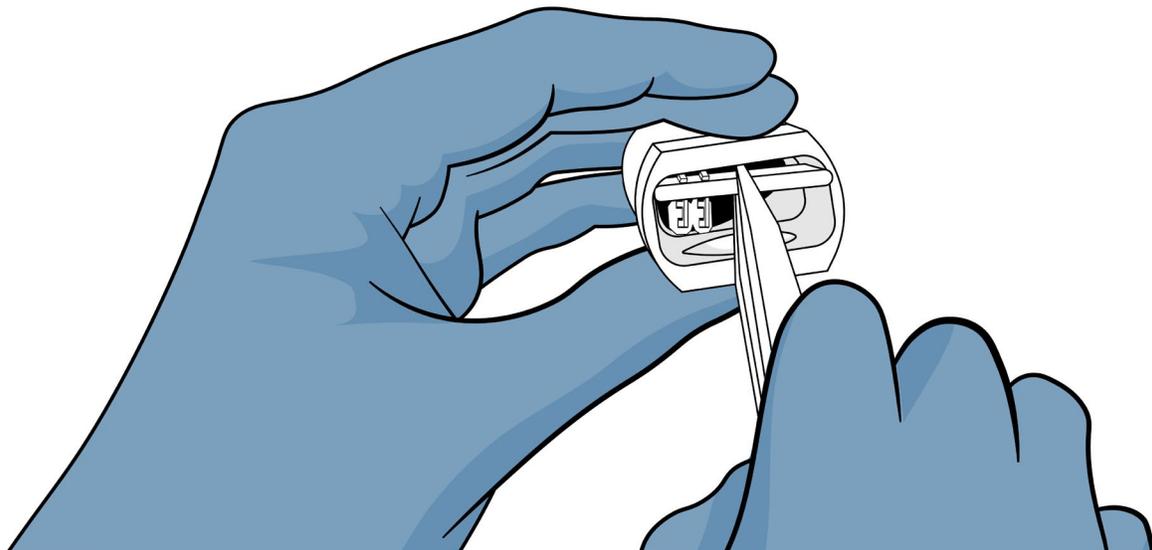
- ATMOS 14 RH/temperature/barometric pressure daughterboard kit (includes daughterboard, plastic tweezers, and nitrile gloves). Contact METER Customer Support for this kit.
- Small flathead screwdriver or equivalent

Open the ATMOS 14 daughterboard replacement kit to ensure all parts have arrived. Take the supplies in the kit and the flathead screwdriver to the field where the ATMOS 14 sensor is installed, and perform the following steps:

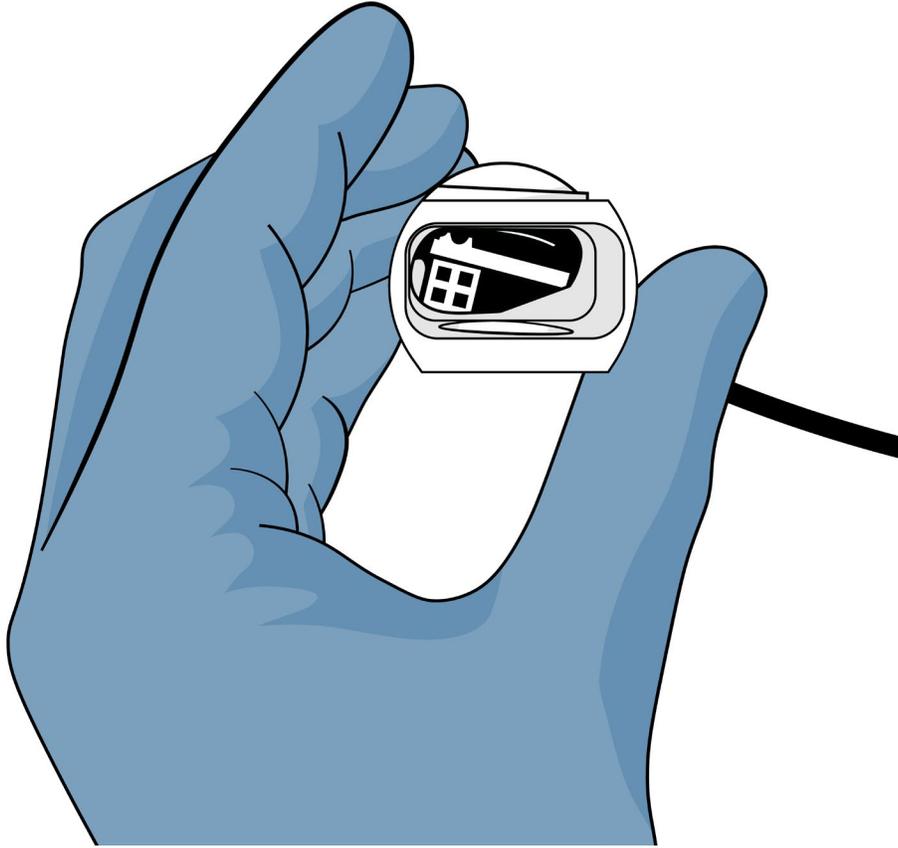
1. Unplug the ATMOS 14 from the data logger.
2. Discharge static electricity from your body. An electrostatic discharge (ESD) can damage the daughterboard.
3. Pry up one edge of the white plastic retainer plug near the slit with the screwdriver and then work around the perimeter until the plug is removed completely. Set the plug aside.



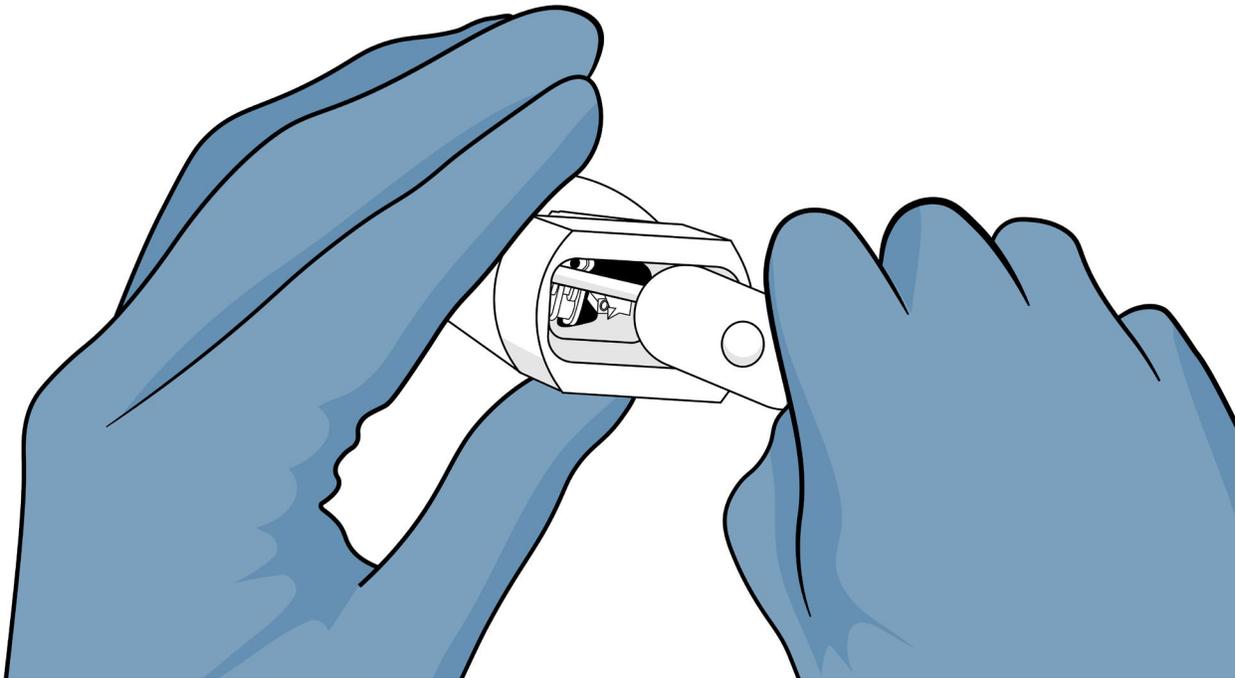
4. Pull the ATMOS 14 sensor from the radiation shield.
5. Remove the blue rubber ATMOS 14 end cap and set it aside in a safe place.
6. Use included tweezers to remove the RH/temp/barometric pressure daughterboard. Note that the hole in the daughterboard can be used to aid in removal. Discard the old daughterboard, or return it to METER if requested.



7. Put on the included glove before handling the replacement daughterboard.
8. Observe the orientation of the 4-socket connector inside the ATMOS 14, and align the 4-pin connector on the replacement RH/temp/barometric pressure daughterboard accordingly.



9. Slide the replacement daughterboard into place and gently press on the board with a gloved finger or the back of the tweezers until it is securely seated. A properly seated daughterboard will sit approximately 3.2 mm or  $\frac{1}{8}$  inch below the edge of the ATMOS 14 housing.



10. Replace the blue ATMOS 14 end cap.
11. Replace the ATMOS 14 into the radiation shield.
12. Replace the white plastic retainer plug by seating one edge by the slit and working around until the full plug is seated against the radiation shield.
13. Plug the ATMOS 14 into the data logger.
14. Before leaving the site, check the data and verify RH/temperature/barometric pressure values are reasonable.

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