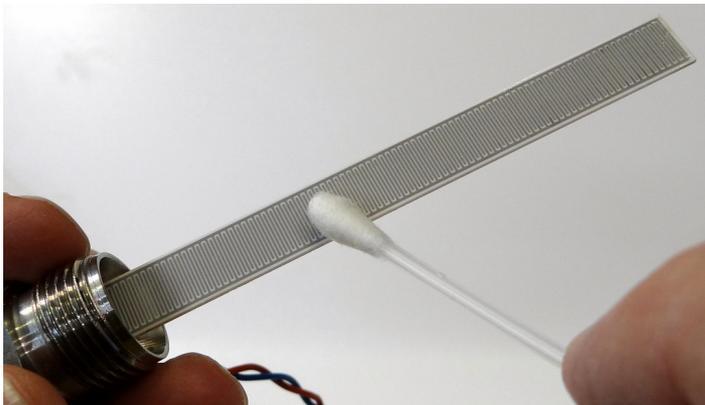
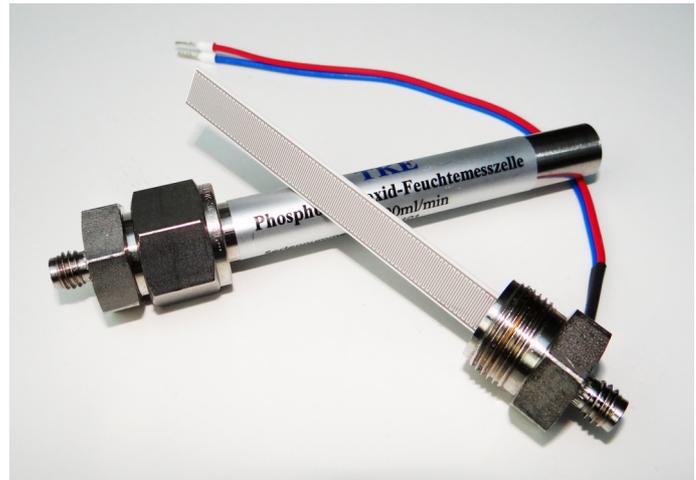




Cleaning and recoating the TKE electrolytic cell

Over time, contamination of the sensor and degradation of the active sensing layer may occur. This manifests itself in the decline in the sensitivity of the cell. Cleaning and recoating the electrode is recommended. Proceed as follows:

1. Open the sensor on the cable gland and carefully pull the electrode out of the tube.
2. Clean the inside of the tube with a suitable solvent and dry the tube carefully. A warm-up in the oven at up to 50 ° C can be helpful to remove moisture from the inner walls.
3. For regeneration, hold phosphoric acid 85% and acetone p.A. ready.
4. Prepare a solution of 80% acetone and 20% phosphoric acid.
5. Carefully clean the sensor surface with a Q-Tip that you previously dipped in acetone.



Repeat the process until no residues are visible on the sensor.

6. Apply the solution acetone / phosphoric acid to the sensor surface with a Q-tip. This creates a shiny layer. Make sure that no fibers of the Q-Tip remain on the sensor surface.
7. Now gently insert the sensor into the tube and close the Swagelok-fitting.
8. Flush the sensor with dry gas for approx. 30 minutes before applying voltage.
9. Apply voltage and wait for the sensor signal to settle to a stable value.
10. Now the sensor is ready for measurement.