



Sensor Application Using an Ear Clip

According to the procedure described point by point below, the Ear Clip is first attached to the earlobe, then **one small** drop of contact liquid is applied to the sensor surface, and, finally, the sensor is snapped into the Ear Clip attached to the earlobe.

Alternatively, you may click the sensor into the clip's retainer ring first, apply **one small** drop of contact liquid to the center of the sensor, pull off both liners protecting the clip's adhesive tapes, and then apply the sensor/clip assembly to the earlobe. In this case, ensure to keep the clips jaws open and to hold the sensor/clip assembly such that the contact liquid does not run off the sensor face until the sensor/clip assembly is applied to the earlobe.

Note: To attach a SenTec TC Sensor with the Ear Clip, the earlobe should be large enough to cover the entire sensor membrane (dark surface of the sensor). Furthermore, application of a SenTec TC Sensor on pierced earlobes may result in incorrect PCO_2/PO_2 measurements. If the earlobe is too small or has multiple piercings, consider using a Multi-Site Attachment Ring (model MAR/e-MI or model MAR/e-SF) to attach the sensor to an alternate site (p. 25).



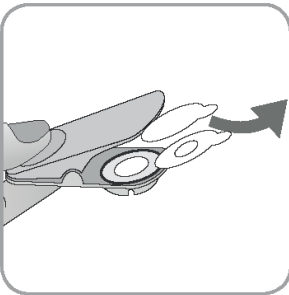
WARNING: Application of any pressure to the measurement site (e.g. by using a pressure bandage) may cause pressure ischemia at the measurement site and, consequently, inaccurate measurements, necrosis or – in combination with heated sensors – burns.

1. Check current SDM Settings/SDM Profile and verify system readiness (message 'Ready for use', p. 23). Change SDM Settings/SDM Profile if necessary.



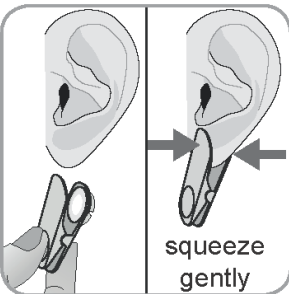


2. Clean the earlobe with a swab wetted with 70% isopropanol (or according to your institution's skin cleaning/degreasing procedures) and let it dry. If necessary remove hair.



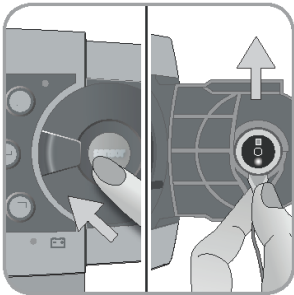
3. Take an Ear Clip out of the package, open the clip jaws and pull off both liners protecting the adhesive tapes of the clip.

! CAUTION: The SenTec Ear Clip (model EC-MI) is for single-use. Neither reattach used clips on the same nor on another patient!



4. Pull the earlobe to stretch its skin and then attach the Ear Clip with its retainer ring on the backside of the earlobe. Verify that the skin under the retainer ring's adhesive is not wrinkled and that the hole in the center of the retainer ring completely covers the skin. Then squeeze gently to ensure that both adhesive tapes stick firmly to the earlobe.





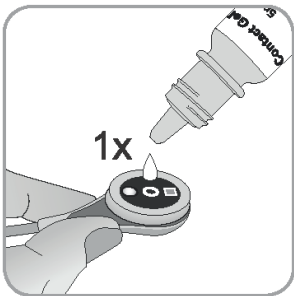
5. Open the Docking Station Door and remove the sensor.

Note: Always grab the sensor at its neck to avoid pulling and tearing the sensor cable.



6. Close the Docking Station Door.

7. Check the condition of the sensor membrane and the integrity of the sensor (p. 15). Change the membrane if necessary (p. 17). Do not use the sensor if any problems are noted.



8. Take the sensor and apply **one small** drop of contact liquid to the middle of the sensor surface.

Note: Until the sensor is applied to the earlobe, ensure to hold the sensor such that the contact liquid does not run off the sensor face. Avoid wetting the adhesive tapes!

Note: Alternatively you may apply **one small** drop of contact liquid to the visible skin area in the center of the Ear Clip's retainer ring or use a cotton swab (Q-tip) to apply the contact liquid.





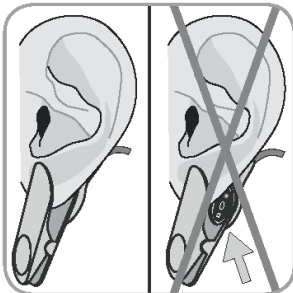
⚠ WARNING: Do not swallow Contact Gel. Keep away from children. Avoid contact with eyes and injured skin. Do not use on patients who exhibit allergic reactions. Use only approved SenTec Contact Gel.



9. Pull the earlobe with the Ear Clip in horizontal position. Move the sensor horizontally into place with the cable preferably pointing to the crown of the head. Insert the sensor into the clip's retainer ring by gently pressing it until it snaps into the clip.



Note: Check that the sensor can be easily rotated to ensure it is snapped in correctly.



10. Check sensor application! The sensor is applied correctly if its entire dark surface is covered by the earlobe. Ensure that air gaps are eliminated between the skin and the sensor.

