



Transcutaneous Monitoring Bedside Tips

What does the Sentec Monitor Do?

The Sentec Digital Monitor provides noninvasive, continuous transcutaneous carbon dioxide values (tcPCO₂) to help optimize ventilation while helping clinicians perform fewer blood draws, reducing pain and blood loss. PO₂ is available in select models and pulse rate and SpO₂ parameters are available for patients older than term birth + 12 months.

Sensor Handling

DO:

- ✓ Always keep the sensor either on the patient or in the docking station.
- ✓ Handle the sensor carefully by the neck, not by the sensor cable, protecting the membrane/sensor face.
- ✓ Clean the sensor gently with 70% isopropyl alcohol before returning the sensor to the docking station.
- ✓ Remove the sensor from the patient for X-RAYS; attachment rings can remain on the patient.

DON'T:

- ✗ Do not leave the sensor lying in the patient bed or isolette.
- ✗ Do not scrub or scratch sensor membrane or sensor face.
- ✗ Do not clean with unapproved cleaning agents.



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▶ APPROVED
CLEANING
AGENTS

Hospital Specific Instructions

1

Assess the skin underneath the sensor & calibrate the sensor every _____ hours.

2

If you have any issues with the monitor, contact _____

3

If you have concerns about a reading, contact _____

WARNING:

Refer to the Instruction Manual for the SDMS, Technical Manual for the SDM or the respective Directions for Use of the sensor and/or disposables for warnings, cautions and additional information such as instructions, routine checks, or maintenance recommendations. These are available on www.sentec.com/ifu

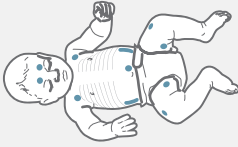
sentec.


For product support, contact your local Sentec representative or visit our TCM Product Support Page



▶ VISIT PRODUCT
SUPPORT

Site Selection & Management



 PCO₂ application areas



Use **MAR/e-SF** for sensitive, fragile skin, or **MAR/e-MI** for mature, intact skin.

NOTE: Facility may circle/indicate preferred measurement sites.

DO:

- ✓ Select a site with good perfusion, which is key to accurate transcutaneous readings.
- ✓ Select a site with good skin integrity, free from edema, large superficial veins, or other skin anomalies. Remove hair if necessary.
- ✓ Consider how the patient is and will be positioned or treated while being monitored, ensuring no external pressure will be placed on the sensor, which can cause inaccurate readings.

DON'T:

- ✗ Do not place any kind of external pressure on the sensor (diapers, blankets, clothes, boundaries).
- ✗ Never lay baby on an attachment ring – with or without a sensor.
- ✗ Do not tape over the sensor.

Sensor Application



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- 1 Clean the skin at the site and let dry.
- 2 Apply adhesive Multi-Site Attachment Ring, gently pressing around the ring for good adhesion. Ensure the skin beneath the adhesive is not wrinkled.
- 3 Apply 1-2 drops of Sentec Contact Gel into the ring.
- 4 Holding the sensor by the neck, (1) insert the sensor nose-first into the ring and (2) press gently downward on the neck until it clicks into place. Rotate the sensor within the ring to distribute the Contact Gel and eliminate any air bubbles.
- 5 Tape the sensor cable in place if desired, taking care to route the cable properly to avoid entanglement and ensuring there will be no tension on the cable during monitoring.