

Troubleshooting Tips for SpO2

Table 3-7 Troubleshooting Tips for SpO2

Observation	Possible Cause	Corrective Action
1 The monitor measures a pulse, but there is no oxygen saturation or pulse rate.	Excessive patient motion.	<ul style="list-style-type: none"> Keep patient still. Check that sensor is secure. Relocate sensor. Replace sensor.
	Patient perfusion may be too low.	<ul style="list-style-type: none"> Check patient. Increase sensitivity (Masimo only).
2 SpO2 or pulse rate changes rapidly, pulse amplitude is erratic.	Excessive patient motion.	<ul style="list-style-type: none"> Keep patient still. Check that sensor is secure. Relocate sensor. Replace sensor. Increase sensitivity (Masimo only)
	An electrosurgical unit (ESU) may be interfering with performance.	<ul style="list-style-type: none"> Move the monitor as far as possible from the ESU. Plug the ESU and monitor into different circuits. Move the ESU ground pad as close to the surgical site as possible. Sensor may be damp, replace it. Remove sensor extension cable and connect the sensor directly.
	Refractory period of the external pacemaker inhibits sensing of the ECG.	<ul style="list-style-type: none"> Turn off C-LOCK (Nellcor only).
3 No SpO2 value is displayed.	Oximeter may be performing self-calibration or self-test.	<ul style="list-style-type: none"> Wait for completion.
4 SPO2: NO SENSOR DETECTED message appears.	Sensor not connected to patient or cable disconnects from device.	<ul style="list-style-type: none"> Check that sensor and cable are connected properly. Check that appropriate sensor is in use.
5 SPO2: SENSOR OFF message appears (Nellcor only).	<p>Sensor is disconnected from patient.</p> <p>Patient has a weak pulse or low blood pressure.</p>	<ul style="list-style-type: none"> Re-attach sensor. Check that sensor is secure. <p> <ul style="list-style-type: none"> Test sensor on someone else. Check if patient perfusion is adequate for sensor location. Check if sensor is secure and not too tight. Check that sensor is not on extremity with blood pressure cuff or intravascular line. Change sensor location. </p>
	Excessive ambient light.	<ul style="list-style-type: none"> Remove or block light source if possible. Cover sensor with opaque material, if necessary.
6 XXX appears in place of SPO2 reading.	SPO2 module failed. Internal cable failed.	<ul style="list-style-type: none"> Contact qualified service personnel.