Instructions for Use - English

Model 9570 Finger-tip Pulse Oximeter

1. Make sure that the patient is not wearing any nail polish, adhesive bandages, artificial nails, or nail extensions.
2. Make sure that the patient is not wearing any devices that will block the sensor from detecting the pulse signal. This includes any jewelry, such as rings or bracelets.
3. Make sure that the patient is not wearing any lotions or creams that may affect the pulse signal.
4. Make sure that the patient is not wearing any hair products that may affect the pulse signal.
5. Make sure that the patient is not wearing any artificial nails or nail extensions.
6. Make sure that the patient is not wearing any metal devices that may affect the pulse signal.

Using the Model 9570

The Model 9570 is a precision electronic instrument designed to measure oxygen saturation (%SpO2) in the blood. The device uses a sensor that emits infrared light and measures the amount of oxygen in the blood by detecting the amount of oxygenated and deoxygenated hemoglobin in the blood. The sensor is capable of measuring oxygen saturation in the range of 2% to 100%, with a resolution of 1%.

To use the Model 9570, follow these steps:

1. Position the sensor on the patient’s finger. Make sure the sensor is firmly in place and is not loose.
2. Adjust the sensor as necessary to ensure that the blood flow is normal. Make sure that the patient’s finger is not too cold or too warm.
3. Press the “POWER” button to turn the device on. The device will start measuring immediately.
4. The device will display the oxygen saturation (%SpO2) and pulse rate (PR) on the display screen.
5. The device will automatically turn off after 10 seconds if no finger is detected.

Care and Maintenance

The Model 9570 is a precision electronic instrument and must be repaired by Nonin Technical Service. Field repair of the device is not possible. Do not attempt to repair the device yourself.

Manufacturer's Declaration

The following table lists the specific information regarding this device's compliance to IEC 60601-1.

<table>
<thead>
<tr>
<th>Standard/Fast Averages</th>
<th>SpO2 4-beat Exponential</th>
<th>2 beats Exponential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard/Fast Averages</td>
<td>SpO2 1.5 seconds</td>
<td>3 seconds</td>
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</tbody>
</table>

The device is not intended for use with patients who have abnormal skin conditions, such as burns or ulcers.

Batteries

The device is powered by two AAA batteries. When the batteries are low, the battery indicator symbol on the display will flash. Replace the batteries as soon as possible.

Temperature Limitation for storage/shipping

Temperature:

-40 °C to 70 °C

Avoid exposure to direct sunlight or extreme temperatures.

Ingress Protection: IP33

This product complies with ISO 10993-1, Biological evaluation of medical devices - Part 1: Evaluation and testing.

NOTE:

This device is intended for home health care use only. All non-warranty repairs or replacements will void the warranty. The model 9570 is a precision electronic instrument and must be repaired by Nonin Technical Service. Field repair of the device is not possible.

Principles of Operation

The Model 9570 uses infrared light to measure oxygen saturation (%SpO2) in the blood. The device emits infrared light through the sensor and measures the amount of oxygen in the blood by detecting the amount of oxygenated and deoxygenated hemoglobin in the blood. The sensor is capable of measuring oxygen saturation in the range of 2% to 100%, with a resolution of 1%.

Equipment Response Time

The device is designed to respond to changes in oxygen saturation (%SpO2) in the blood within 10 seconds.

Split Accuracy Testing

The device is designed to be tested in a split test environment, with two channels of oxygen saturation (%SpO2) in the blood. The device is capable of measuring oxygen saturation in the range of 2% to 100%, with a resolution of 1%.

Technical Support

For technical support, please contact Nonin Medical, Inc. at (800) 356-8874 (USA/Canada) or technicalservice@nonin.com.

9570: $349.95

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