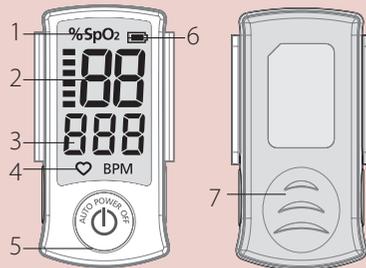


Introduction

Rossmax Fingertip Pulse Oximeter SB100 is used to measure arterial oxygen saturation (%SpO₂) of hemoglobin and pulse rate, which are important indicators of respiratory function. It is a non-invasive device intended for spot-checking adults and children over 3 years old in home or hospital settings.

 Attention: Consult the accompanying documents. Please read this manual carefully before use. Please be sure to keep this manual.

Name/ Functions of each part



1. SpO₂ icon
2. Pulse strength indication
3. Beats per minute
4. Pulse rate icon
5. Power On Button
6. Battery icon
7. Battery compartment

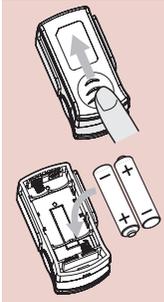
Installing Batteries

1. Use your thumb to slide the battery cover out.
2. Insert or replace two "AAA" batteries with the correct polarity.

You need to replace the batteries when:

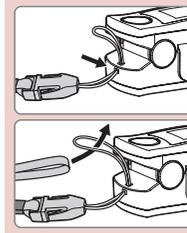
1. The battery icon is blinking on the display.
2. The function button is pressed and nothing appears on the display.

Caution: Batteries may leak or explode if used or disposed of improperly. Remove the batteries if the device will be stored for an extended period of time. Do not use different types or brands of batteries at the same time. Do not mix fully charged and partially charged batteries.



Attaching the lanyard

1. Insert the narrow end of the lanyard through the holder.
2. Draw the other end of the lanyard through the loop at the narrow end and tighten.



How to use

1. Open the clip; press the Power On button as **1**.
2. The software version information will appear on the display. Insert one finger, with the nail facing upward, into the finger opening of the pulse oximeter.

Note: If no finger is inserted, the device will automatically shut off after 8 seconds.

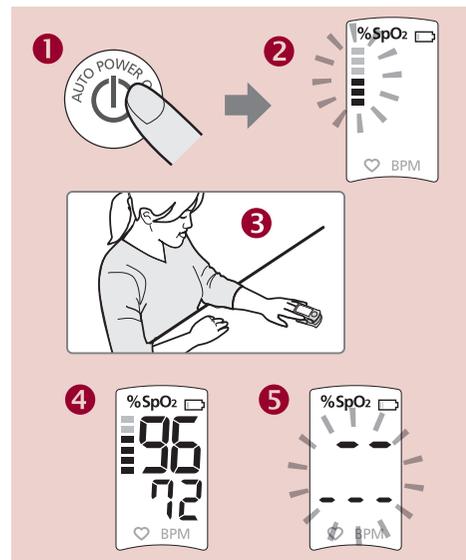
3. The pulse strength indication shows "—", pulse oximeter begins its measurement as **2**.

Note: make sure the finger is lying flat, Do not shake and keep body steady during measurement as **3**.

4. Your SpO₂ and pulse rate values will appear on the screen after few seconds as **4**.

Note: 1. Don't remove your finger until the measurement is completed.

2. If SpO₂ and pulse rate cannot be detected, "—" will appear on the screen as **5**.
3. While pulse strength is low, the reading will flicker.



 Note:

1. The SpO₂ sensor and the photoelectric receiving tube should be positioned so that the subject's arteriole lies between them.
2. Ensure that the optical path is free from any obstructions, such as rubberized fabrics.
3. Excessive ambient light may affect the measurement results. This includes fluorescent lighting, dual-ruby lights, infrared heaters, direct sunlight, etc.
4. Strenuous movement by the subject or strong electrosurgical interference may also affect measurement accuracy.

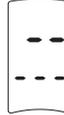
Error code for your reference

SENSOR ERROR:



Sensor cannot be detected, return the device to your local distributor or service centre.

MEASURE ERROR:



Signals cannot be detected, turn the device off and measure again.

Cautionary Notes

- This device is to be operated by trained personnel only.
- This device does not have an audible alert and is intended solely for spot-checking, not for evaluating medical results.
- This device is designed to determine the percentage of arterial oxygen saturation of functional hemoglobin. Factors that may degrade pulse oximeter performance or affect the accuracy of the measurement include the following:
 - Do not apply the pulse oximeter on the same arm as a blood pressure cuff, arterial catheter or infusion line(s)
 - Excessive light, such as sunlight or direct home lighting.
 - Not steady at the site of application (e.g. trembling)
 - Moisture in the device
 - Improperly applied device
 - Finger is too large or too small to fit into the device.
 - Poor pulse quality
 - Venous pulsations
 - Anemia or low hemoglobin concentrations.
 - Cardiogreen and other intravascular dyes
 - Carboxyhemoglobin
 - Methemoglobin
 - Dysfunctional hemoglobin
 - Artificial nails or fingernail polish

- On fingers with anatomical changes, oedemas, scars or burns.
- Using the device for prolonged periods may cause discomfort in people with circulatory disorders. Reposition the device at least once every 4 hours to allow the patient's skin to breathe and to regularly check the patient's condition.
- Do not use the device near flammable or explosive gas mixtures.
- Do not use the device during an MRI or CT scan. The device must be kept at least 30 cm (12 inches) away from any part of the device, including cables specified by the manufacturer.
- The device may not function properly when circulation is reduced. Warm or rub the finger, or reposition the device.
- This device is a precision electronic instrument and must be repaired by qualified technical personnel. Field repairs are not possible. Do not attempt to open the case or repair the electronics. Opening the case may damage the device and void the warranty.
- Do not overextend the device's spring.
- A functional tester cannot be used to assess the accuracy of a pulse oximeter monitor.
- Do not self-diagnose or self-medicate on the basis of the measurements without consulting your doctor. In particular, do not start taking any new medication or change the type and/or dosage of any existing medication without prior approval.
- Do not look directly inside the housing during the measurement. The red light and the invisible infra-red light in the pulse oximeter are harmful to your eyes.
- This device is not intended for use by people (including children) with restricted physical, sensory or mental skills or a lack of experience and/or a lack of knowledge, unless they are supervised by a person who has responsibility for their safety or they receive instructions from this person on how to use the device. Children should be supervised around the device to ensure they do not play with it.
- Neither of the displays for the pulse wave and pulse bar allows the strength of the pulse or circulation to be evaluated at the measurement site. Rather, they are exclusively used to display the current signal variation at the measurement site and do not enable reliable diagnostics for the pulse.
- Warning: Other cables and accessories may adversely affect EMC performance.
- Warning: Do not stack the device or place it too close to other equipment.
- Warning: Use of unauthorized accessories may result in noncompliance.
- The maximum temperature of sensors which the user will touch might reach 42°C when operating in the 40°C environment.