
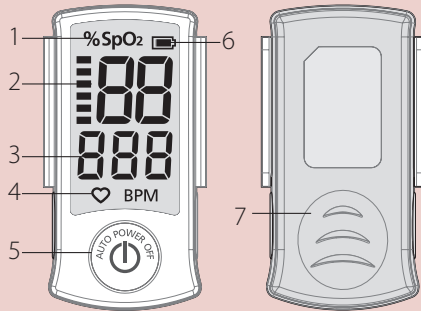


Introduction

Rossmax Fingertip Pulse Oximeter SB100 is used to measure arterial oxygen saturation (% SpO₂) of hemoglobin and pulse rate, an important indicator of your respiratory function. It is non-invasive device intended for spot-check of adult and pediatric whose age is over 3 at home, hospital and clinics.

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

Name/ Functions of each part

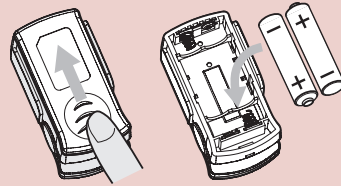


- | | |
|------------------------------|------------------------|
| 1. SpO ₂ icon | 4. Beats per minute |
| 2. Pulse strength indication | 5. Power On Button |
| 3. Pulse rate icon | 6. Battery icon |
| | 7. Battery compartment |

Installing Batteries

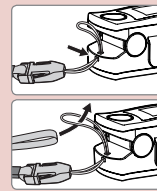
1. Use thumb to slide battery cover out
 2. Insert or replace 2 "AAA" sized batteries down with the correct electrical polarity.
- You need to replace the batteries when
1. Battery icon is blinking on display.
 2. The function button is pressed and nothing appears on display.

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



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. Information of software version appears; insert one finger, nail side up, into the finger opening of the pulse oximeter.

Note: if no finger insert, the device will auto shut off after 8 seconds.

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

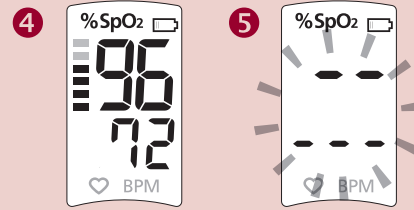
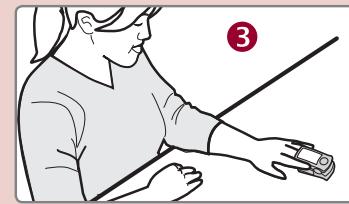
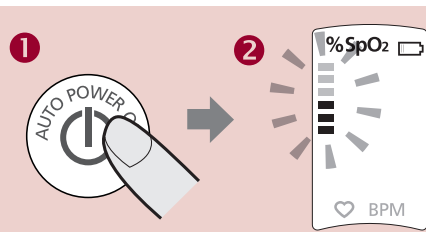
Note: make sure the finger is lying flat, Do not shake and keep body steady during measurement as **3**.

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 photoelectric receiving tube should be arranged in a way with the subject's arteriole in a position there between.
2. Make sure the optical path is free from any optical obstacles like rubberized fabric.
3. Excessive ambient light may affect the measuring result. It includes fluorescent lamp, dual ruby light, infrared heater, direct sunlight and etc.
4. Strenuous action of the subject or extreme electrosurgical interference may also affect the 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 has no audible and it intended only for spot-checking, but not medical result evaluation.

- 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 long periods may cause pain for people with circulatory disorders. Reposition the device at least once every 4 hours to allow the patient's skin to breath and to check patient's condition regularly.

- Do not use the device near flammable or explosive gas mixtures.

- Do not use the device during an MRI or CT scan.

- The device may not work when circulation is reduced. Warm or rub the finger, or re-position the device.

- This device is a precision electronic instrument and must be repaired by qualified technical professionals. Field repair of the device is not possible. Do no 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.