Salter PX-100-EU

Salter PX-100-EU Fingertip Pulse Oximeter User Manual

Model: PX-100-EU

1. Introduction

Thank you for choosing the Salter PX-100-EU Fingertip Pulse Oximeter. This device is designed for non-invasive spot-check measurement of functional oxygen saturation of arterial hemoglobin (SpO2), pulse rate (PR), and perfusion index (PI) at the fingertip. It is suitable for use in home environments, sports, and daily health monitoring. Please read this manual thoroughly before use to ensure safe and proper operation.

2. Safety Information

Please observe the following safety precautions to prevent injury or damage to the device:

- This device is intended for general wellness and sports use. It is not intended for medical diagnosis or treatment. Consult a healthcare professional for any medical concerns.
- Do not use the oximeter on fingers with nail polish, artificial nails, or open wounds, as this may affect accuracy.
- Keep the device away from water and moisture. Do not immerse it in liquid.
- Do not use the device in an MRI or CT environment.
- Keep out of reach of small children.
- Dispose of batteries according to local regulations.

3. Package Contents

Upon opening the package, please verify that all items are present and undamaged:

- 1 x Salter OxyWatch Fingertip Pulse Oximeter
- 2 x AAA Batteries
- 1 x User Manual (this document)



Figure 3.1: Included items with the Salter PX-100-EU Pulse Oximeter.

4. Product Features

The Salter PX-100-EU Fingertip Pulse Oximeter offers the following key features:

- Measures Oxygen Saturation (SpO2), Pulse Rate (PR), and Perfusion Index (PI).
- Painless and non-invasive measurement.
- Lightweight and compact design for portability.
- Automatic power-off function to conserve battery life.
- Dual-colour OLED display for clear readings.
- 4-direction display for easy readability from various angles.



Figure 4.1: Key features of the Salter Fingertip Pulse Oximeter.

5. Setup

5.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open in the direction indicated by the arrow.
3. Insert the two AAA batteries, ensuring the positive (+) and negative (-) terminals align correctly with the markings inside the compartment.
4. Close the battery compartment cover until it clicks securely into place.

6. Operating Instructions

6.1 Taking a Measurement

1. Ensure your finger is clean and free of nail polish or artificial nails.
2. Open the clamp of the oximeter.
3. Insert one of your fingers (preferably the index, middle, or ring finger) into the rubber opening of the oximeter, ensuring it is fully inserted and resting on the sensor.
4. Release the clamp.
5. Press the power button once to turn on the device.
6. Keep your hand still during the measurement. Movement can affect accuracy.
7. The readings for SpO2 (Oxygen Saturation), PR (Pulse Rate), and PI (Perfusion Index) will appear on the display within a few seconds.
8. The device will automatically power off after approximately 8 seconds of inactivity.



Figure 6.1: Simple one-button operation for measurement.



Figure 6.2: The oximeter measures SpO2, PR, and PI.

6.2 Understanding the Display

The OLED display shows the following information:

- **%SpO2:** Oxygen Saturation level (percentage).
- **PRbpm:** Pulse Rate in beats per minute.
- **PI:** Perfusion Index (a numerical value indicating the strength of the pulse signal).
- **Pulse Bar:** A bar graph indicating the pulse strength.

The device features a 4-direction display, allowing you to rotate the screen orientation by pressing the power button briefly while a reading is active, for optimal viewing.



Figure 6.3: Example of the oximeter display showing SpO2 and Pulse Rate.



Figure 6.4: Dual-colour OLED and 4-direction display for enhanced readability.

7. Maintenance and Care

7.1 Cleaning the Device

- Clean the surface of the oximeter with a soft cloth dampened with medical alcohol (70% ethanol or isopropanol) after each use.
- Do not use abrasive cleaners or immerse the device in water.
- Ensure the device is completely dry before storage or next use.

7.2 Storage

- Store the oximeter in a cool, dry place, away from direct sunlight and extreme temperatures.
- If the device will not be used for an extended period, remove the batteries to prevent leakage.

7.3 Battery Replacement

When the low battery indicator appears on the display, replace the batteries as described in Section 5.1.

8. Troubleshooting

If you encounter issues with your Salter PX-100-EU, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display after pressing power button	Batteries are dead or incorrectly inserted.	Check battery orientation or replace with new AAA batteries.
Inaccurate or unstable readings	Finger not inserted properly; excessive movement; cold fingers; nail polish/artificial nails.	Reinsert finger fully; remain still during measurement; warm hands if cold; remove nail polish.
"Finger Out" or similar error message	Finger not detected or improperly placed.	Ensure finger is fully inserted and resting on the sensor.

9. Specifications

Specification	Detail
Model Number	PX-100-EU
Dimensions	6 x 3.2 x 3 cm
Weight	0.16 Kilograms (approx. 0.2g product weight)
Power Source	2 x AAA Batteries (included)
Display Type	Dual-colour OLED
Measurement Parameters	SpO2, PR, PI
Country of Origin	China
First Available Date	6 Sept. 2018



Figure 9.1: Product dimensions of the Salter PX-100-EU.

10. Warranty and Support

The Salter PX-100-EU Fingertip Pulse Oximeter comes with a**2-Year Guarantee** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical support, or any questions regarding your device, please contact Salter customer service through their official website or the retailer where the product was purchased. Please have your proof of purchase and model number (PX-100-EU) ready when contacting support.



Figure 10.1: The Salter OxyWatch comes with a 2-year guarantee.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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