

Silvergear 2238

Silvergear 2-in-1 Pulse Oximeter Model 2238 User Manual

Your guide to accurate blood oxygen saturation and pulse rate monitoring.

1. INTRODUCTION

The Silvergear 2-in-1 Pulse Oximeter Model 2238 is a compact and convenient device designed for non-invasive spot-checking of arterial oxygen saturation (SpO2) and pulse rate (PRbpm). It is suitable for use by adults and children in home environments, medical facilities, and during sports activities.

Monitoring blood oxygen levels is crucial for individuals with respiratory conditions such as asthma and COPD, heart conditions, and athletes. A normal blood oxygen saturation typically ranges between 95-100%. Slight variations are normal, but consistent or prolonged low readings should be discussed with a healthcare professional. This device also measures your heart rate.

For athletes training at high altitudes, such as during skiing, mountaineering, or flying, measuring oxygen saturation can be beneficial. In high-altitude environments, it is normal for blood oxygen saturation to be lower than usual. During physical exertion, oxygen levels may decrease slightly. This handy and compact oximeter allows for easy measurement and monitoring.



Front view of the Silvergear Pulse Oximeter displaying SpO2 and PRbpm readings.

2. SAFETY INFORMATION

- Consult your doctor before using this device for medical diagnosis or treatment.
- This device is intended for non-medical use and self-monitoring. It is not a substitute for professional medical advice.
- Do not use the oximeter in an MRI or CT environment.
- Do not use the oximeter in situations requiring continuous monitoring.
- Keep the device away from children and pets. Small parts may pose a choking hazard.
- Avoid exposing the device to direct sunlight, extreme temperatures, or moisture.
- Do not attempt to repair or modify the device yourself. Contact customer support for assistance.

3. SETUP

3.1 Package Contents

- Silvergear 2-in-1 Pulse Oximeter
- User Manual

3.2 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover off to open the compartment.
3. Insert two 1.5V AAA batteries (not included) according to the polarity indicators (+/-) inside the compartment.
4. Replace the battery compartment cover until it clicks securely into place.



Side view of the Silvergear Pulse Oximeter, illustrating its compact design.

4. OPERATING INSTRUCTIONS

4.1 Taking a Measurement

1. Ensure the device has fresh batteries installed.
2. Open the clamp of the oximeter by pressing the top and bottom parts together.
3. Insert one of your fingers (preferably the index or middle finger) into the rubber opening of the oximeter, ensuring your fingertip is placed against the stop guide.
4. Release the clamp, allowing it to gently close around your finger.
5. Press the power button on the front of the device to turn it on.
6. Keep your hand still and avoid movement during the measurement. The display will show your

SpO2 and pulse rate readings within a few seconds.

7. The device will automatically shut off after approximately 8 seconds of inactivity.



The Silvergear Pulse Oximeter opened, ready for finger insertion.



A hand demonstrating correct finger placement in the Silvergear Pulse Oximeter for measurement.

4.2 Understanding the Display

The clear LED display shows the following information:

- **%SpO2:** Blood Oxygen Saturation level.
- **PRbpm:** Pulse Rate in beats per minute.
- **Plethysmogram:** A waveform indicating the pulse strength.
- **Battery Indicator:** Shows the remaining battery life.



Close-up of the Silvergear Pulse Oximeter display with labels indicating Oxygen Saturation, Pulse Rate, Plethysmogram, and Power Button.



Another view of the Silvergear Pulse Oximeter in use on a finger, showing the active display.

5. CARE AND MAINTENANCE

5.1 Cleaning

- Clean the surface of the oximeter with a soft cloth dampened with medical alcohol (70% ethanol or isopropanol).
- Do not immerse the device in water or any other cleaning solution.
- Ensure the device is completely dry before reuse.

5.2 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 and damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display after pressing power button	Batteries are dead or incorrectly installed.	Replace batteries or re-install them correctly, observing polarity.
Inaccurate or unstable readings	Finger not inserted properly; excessive movement; cold fingers; nail polish or artificial nails.	Re-insert finger correctly; remain still; warm hands; remove nail polish/artificial nails.
"Finger Out" or similar error message	Finger not detected or improperly placed.	Ensure finger is fully inserted and resting flat on the sensor.

7. TECHNICAL SPECIFICATIONS

- **Oxygen Saturation Measurement Range:** 70-99%
- **Oxygen Saturation Accuracy:** $\pm 2\%$ (70-99%), unspecified below 70%
- **Pulse Rate Measurement Range:** 30-240 bpm
- **Pulse Rate Accuracy:** ± 2 bpm or $\pm 2\%$ (whichever is greater)
- **Display:** LED
- **Power Supply:** 2 x 1.5V AAA batteries (not included)
- **Operating Voltage:** 2.6 - 3.6 V
- **Operating Current:** ≤ 30 mA
- **Automatic Shut-off:** Approximately 8 seconds of inactivity
- **Model Number:** 2238
- **Manufacturer:** Karsten International







8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Silvergear customer service. Keep your proof of purchase for any warranty claims. You can also visit the official Silvergear store for more information: [Silvergear Store](#)

9. DISPOSAL

This product contains electronic components and batteries. Do not dispose of it with general household waste. Please follow local regulations for the disposal of electronic waste and batteries to protect the environment.

Related Documents - 2238

	<p>Silvergear Blood Pressure Meter: User Manual and Instructions</p> <p>This manual provides detailed instructions for using the Silvergear Blood Pressure Meter, including setup, operation, safety precautions, and technical specifications for accurate home health monitoring.</p>
 USER MANUAL	<p>Silvergear Wireless Headphones User Manual</p> <p>User manual for Silvergear Wireless Headphones (Model 1035), providing instructions for setup, operation, charging, and disposal.</p>
	<p>Silvergear Talking Bathroom Scale User Manual</p> <p>Comprehensive user manual for the Silvergear Talking Bathroom Scale, detailing setup, operation, and features for accurate weight measurement and voice feedback.</p>
	<p>Silvergear Arcade Game Portable Console - User Manual & Specifications</p> <p>This document provides instructions and specifications for the Silvergear Arcade Game Portable Console (Art. no. 1025). It covers battery installation, important safety cautions, troubleshooting common issues, and technical details.</p>
	<p>Silvergear Retro Pocket Gamer - Portable 8-Bit Gaming Console</p> <p>Discover the Silvergear Retro Pocket Gamer, a portable console with 240 built-in 8-bit games. This document provides essential safety information, battery replacement instructions, and a guide to console controls.</p>
	<p>Silvergear Space Fighter Jet Indoor Drone User Manual</p> <p>User manual for the Silvergear Space Fighter Jet indoor drone, providing detailed instructions on setup, operation, advanced flight modes, battery charging, propeller replacement, and troubleshooting.</p>