Innovo without Bluetooth

Innovo Deluxe iP900AP Fingertip Pulse Oximeter User Manual

Model: iP900AP

Brand: Innovo

1. PRODUCT OVERVIEW

The Innovo Deluxe Fingertip Pulse Oximeter is designed to provide accurate measurements of blood oxygen saturation (SpO2) and pulse rate (PR) at your fingertip. This device is equipped with advanced features such as a Plethysmograph and Perfusion Index (PI) to enhance the reliability of readings, especially in conditions of low blood perfusion. Its compact and user-friendly design makes it suitable for sports enthusiasts, aviators, and home use.

Image: Innovo Deluxe iP900AP Fingertip Pulse Oximeter, showing the device with its display on, indicating SpO2 and pulse rate.

Key Features:

- **Accurate and Reliable:** Improved LED and sensor for SpO2 and pulse rate measurement even at low blood perfusion.
- **Plethysmograph and Perfusion Index (PI):** Features that ensure accurate readings and inform you of pulse strength. A PI value less than 0.2% indicates potential issues like cold hands or improper positioning.
- **Upgraded Hardware and Software:** Includes auditory alarm, pulse detection beeps, and adjustable display brightness.
- **Versatile Use:** Ideal for climbers, skiers, bikers, aviators, and for tracking SpO2 and pulse rate before or after exercise.
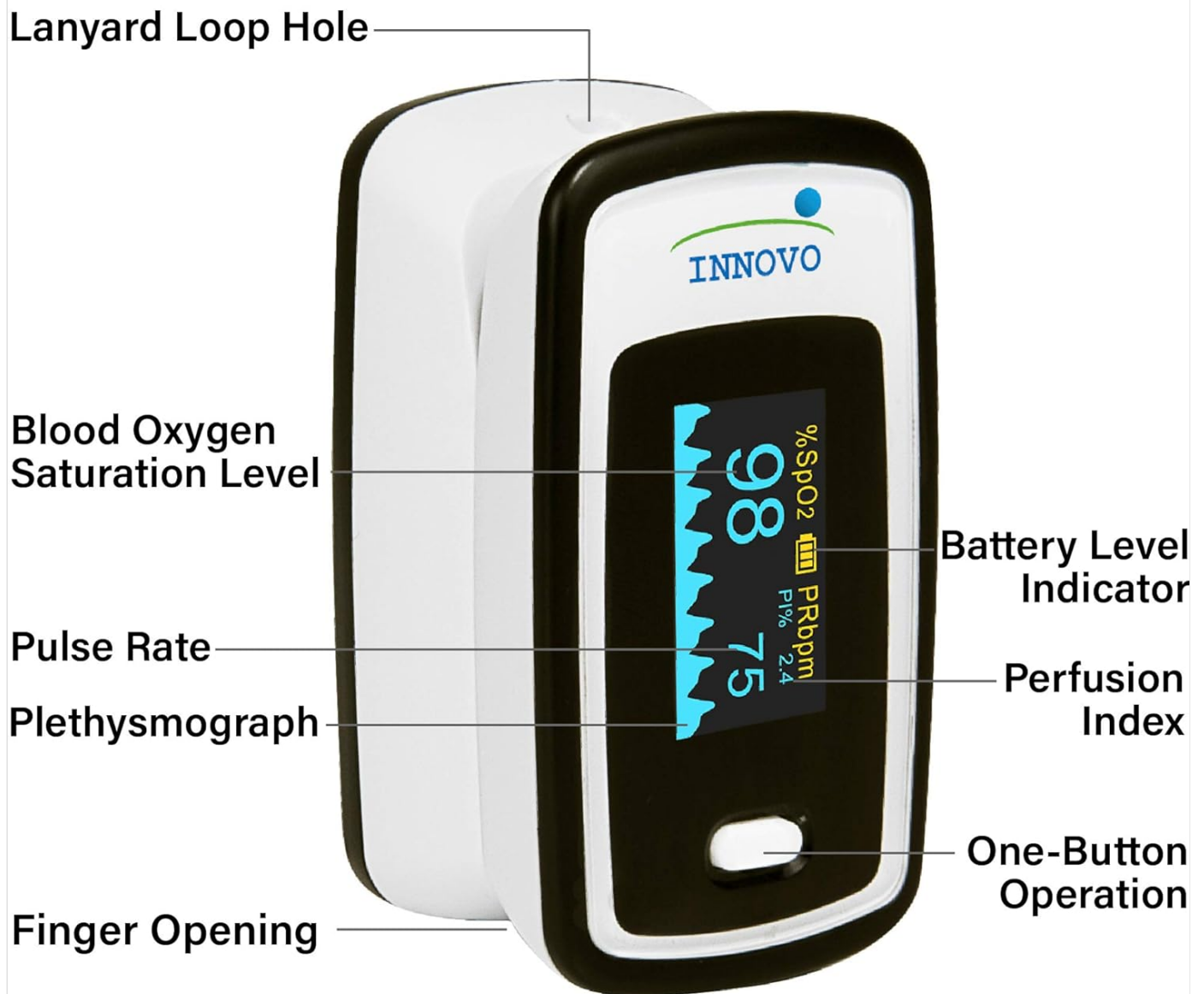- **Ready to Use:** Comes with 2x AAA batteries and a lanyard for immediate convenience.

Image: Labeled diagram of the Innovo Pulse Oximeter, pointing out the Lanyard Loop Hole, Blood Oxygen Saturation Level, Pulse Rate, Plethysmograph, Battery Level Indicator, Perfusion Index, and One-Button Operation.

2. SETUP

2.1. Battery Installation

1. Open the battery compartment cover located on the back of the device.
2. Insert two AAA batteries into the compartment, ensuring correct polarity (+ and -).
3. Close the battery compartment cover securely.

2.2. Attaching the Lanyard

The device comes with a lanyard for easy carrying and to prevent loss. Follow these steps to attach it:

1. Insert the loop of the lanyard into the lanyard holes on the device.
2. Thread the lanyard strap through the loop.
3. Pull the lanyard strap until it is tight and secured.

Image: Step-by-step diagram illustrating how to attach the lanyard to the pulse oximeter.

3. OPERATING INSTRUCTIONS

3.1. Taking a Measurement

1. Insert one of your fingers completely into the rubber opening of the oximeter with the nail surface upward.
2. Press the power button on the front panel to turn on the oximeter.
3. Keep your hand still during the measurement. Movement can affect accuracy.
4. Read the measured data from the display screen. The SpO2 (blood oxygen saturation) and PRbpm (pulse rate) values will be shown. The Plethysmograph waveform and Perfusion Index (PI) will also be displayed.
5. The device will automatically power off after approximately 8 seconds if no finger is detected, conserving battery life.

Image: A person demonstrating the use of the Innovo Pulse Oximeter by placing it on their finger.

3.2. Understanding Your Readings

- **SpO2 (%):** This indicates the percentage of oxygen in your blood. Normal healthy adult values are typically between 95% and 100%.
- **PRbpm:** This is your pulse rate, measured in beats per minute.
- **Plethysmograph:** The waveform displayed on the screen. Each wave corresponds to a heartbeat, and the amplitude indicates the amount of blood detected. A stable, consistent waveform suggests a reliable reading.
- **Perfusion Index (PI):** This value reflects the strength of your pulse signal. A PI value below 0.2% may indicate that your finger is too cold or improperly positioned, potentially affecting reading accuracy. Warm your finger and reposition it directly under the LED lights for better results.

3.3. Display Orientation and Settings

The display orientation can be changed by briefly pressing the power button while the device is on. This allows for viewing the readings from different angles. The device also features adjustable alarm limits for SpO2 and pulse rate, and brightness settings, accessible through a menu by holding down the power button.

4. MAINTENANCE

4.1. Cleaning

To clean the oximeter, wipe the surface with a soft cloth dampened with medical alcohol (70% isopropyl alcohol). Do not immerse the device in water or any cleaning solution. Ensure the device is completely dry before reuse.

4.2. Battery Replacement

When the battery indicator on the display shows low power, replace the batteries promptly to ensure accurate readings. Follow the battery installation steps in Section 2.1.

4.3. Storage

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

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display shows "Finger out" or no reading.	Finger not inserted correctly or too much movement.	Reinsert finger firmly and keep still. Ensure finger is directly under the LED lights.
Inaccurate or fluctuating readings.	Cold fingers, nail polish, excessive movement, or weak batteries.	Warm hands before measurement. Remove nail polish. Remain still. Replace batteries if low. Check PI value for signal strength.
Device does not turn on.	Batteries are dead or incorrectly installed.	Check battery polarity. Replace with new AAA batteries.

If problems persist after attempting the above solutions, please contact Innovo customer support for further assistance.

6. SPECIFICATIONS

Attribute	Value

Attribute	Value
Product Dimensions	2.5 x 1.35 x 1.25 inches; 3.21 ounces
Item Model Number	without Bluetooth
Batteries	2 AAA batteries required (included)
Manufacturer	Innovo
Color	White
Measurement Accuracy	+/-2%
Measuring Range (SpO2)	70% - 100%

7. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Innovo Deluxe iP900AP Fingertip Pulse Oximeter, please refer to the official Innovo website or contact their customer service directly. Contact details are typically available on the product packaging or the manufacturer's official online presence.

Innovo is a registered trademark of USPTO. The company actively pursues parties who infringe on their intellectual property rights. Innovo Pulse Oximeters are designed in the USA.

Related Documents - without Bluetooth

	[Innovo iP900AP Fingertip Pulse Oximeter User Manual](#) User manual for the Innovo iP900AP Fingertip Pulse Oximeter, detailing its features, operation, precautions, specifications, and troubleshooting for measuring SpO2 and pulse rate. Suitable for sports and aviation use.
	[Innovo iP900AP Finger Pulse Oximeter User Manual](#) User manual for the Innovo iP900AP Finger Pulse Oximeter, detailing its features, operation, precautions, and technical specifications for non-medical spot-checking of SpO2 and pulse rate.
	[Innovo Magic Cube & Magic Cube Pro User Guide: Setup and Administration](#) Comprehensive user guide for the Innovo Magic Cube and Magic Cube Pro, detailing setup, Home Assistant integration, remote administration, and troubleshooting for smart home automation.

iE100A

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Digital Infrared
Ear Thermometer
User Manual Ver 1.1

[Innovo iE100A Digital Infrared Ear Thermometer User Manual](#)

User manual for the Innovo iE100A Digital Infrared Ear Thermometer, covering features, safety precautions, operating instructions, troubleshooting, and technical specifications.

[Jumper JPD-500G(Bluetooth) Pulse Oximeter User Manual | Technical Specifications & Operation Guide](#)

Detailed user manual for the Jumper JPD-500G(Bluetooth) finger pulse oximeter. Learn about its features, how to use it, technical specifications, safety precautions, and maintenance. Includes SpO2 and pulse rate measurement.