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> Amemo A310 Fingertip Pulse Oximeter User Manual

## Amemo A310

# Amemo A310 Fingertip Pulse Oximeter User Manual

Comprehensive instructions for operating and maintaining your Amemo A310 Fingertip Pulse Oximeter.

## 1. PRODUCT OVERVIEW

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The Amemo A310 Fingertip Pulse Oximeter is a compact, non-invasive device designed for spot-checking blood oxygen saturation (SpO<sub>2</sub>) levels and pulse rate. It is suitable for home use and for individuals interested in monitoring their general wellness. This device provides quick and accurate readings, featuring an OLED display for clear visibility.



Image 1.1: The Amemo A310 Fingertip Pulse Oximeter, a compact device for measuring blood oxygen saturation and pulse rate.

## 2. WHAT'S IN THE BOX

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Upon opening your Amemo A310 Pulse Oximeter package, you will find the following items:

- Amemo A310 Pulse Oximeter
- Carrying Case
- Silicone Cover
- AAA Batteries (2)
- Lanyard
- User Manual

# Portable and Everything is Ready



\* Carrying Case

\* Lanyard

\* Batteries

Image 2.1: All items included in the Amemo A310 Pulse Oximeter package, ready for use.

## Video: Unboxing and Components

Video 2.1: This segment of the product user guide video demonstrates the contents of the box, including the oximeter, carrying case, silicone cover, batteries, and lanyard. (Starts at 0:45)

## 3. BATTERY INSTALLATION

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To power your Amemo A310 Pulse Oximeter, follow these steps to install the batteries:

1. Open the battery compartment cover located on the back of the device.
2. Insert the two AAA batteries, ensuring the positive (+) and negative (-) terminals align correctly with the markings inside the compartment. Both positive terminals should face the same direction as indicated.
3. Close the battery compartment cover securely.

## How to Measure Accurately?

- \*Two batteries installed in the same direction.
- \*Stay still when measuring.
- \*Fingernails up measurement.
- \*Nail polish will affect the accuracy of the reading.



Image 3.1: Proper battery insertion with both positive terminals facing the same direction, as shown in the battery compartment.

### Video: How to Install Batteries

Video 3.1: This segment of the product user guide video provides a visual guide on how to correctly install the batteries into the oximeter. (Starts at 1:04)

## 4. DEVICE FUNCTIONS AND DISPLAY

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The Amemo A310 Pulse Oximeter features a clear OLED display that shows several key measurements and indicators:

- **SpO2 Value:** Blood Oxygen Saturation percentage.
- **PR bpm:** Pulse Rate in beats per minute.
- **PI%:** Perfusion Index, indicating the strength of the pulse signal.
- **Plethysmogram:** A waveform graph representing the pulse strength.
- **Battery Indicator:** Shows the remaining battery life.
- **Power Button:** Used to turn the device on/off and navigate settings.

# Main Function



Image 4.1: The OLED display showing SpO2, PR bpm, PI%, Plethysmogram, and battery indicator.

# Dual-Color High Brightness OLED Screen



Image 4.2: The dual-color high brightness OLED screen ensures clear readability of all measurements.

## 5. HOW TO USE THE OXIMETER

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For accurate readings, follow these steps:

1. **Prepare Your Finger:** Ensure there is no nail polish or foreign matter on the fingernail of the finger to be measured. Rub your hands together for about 10 seconds to warm them up, if necessary, to improve circulation.
2. **Insert Finger:** Open the clamp of the oximeter and insert one of your fingers (preferably the index or middle finger) deeply into the device, ensuring your fingernail is facing upwards.
3. **Activate Measurement:** Press the power button once to turn on the oximeter.
4. **Remain Still:** Keep your hand and finger still during the measurement. Movement can affect accuracy.
5. **Read Results:** After a few seconds, the SpO<sub>2</sub>, PR bpm, and PI% values will appear on the display. Wait for the readings to stabilize for optimal accuracy.
6. **Automatic Shut-off:** The device will automatically turn off after approximately 8 seconds of inactivity or when the finger is removed.

# Measure More Accurately



## Plethysmograph

\*When the wave amplitude is consistent, the pulse oximeter is optimized and readings can be taken.

## Perfusion Index

\*When the value of PI is greater than 0.2%, your blood oxygen value is accurate.

Image 5.1: For accurate measurement, ensure the plethysmogram wave amplitude is consistent and the Perfusion Index (PI%) is greater than 0.2%.

## Video: How to Use the Oximeter

Video 5.2: This segment of the product user guide video demonstrates the correct procedure for using the oximeter to obtain accurate readings. (Starts at 1:22)

## 6. SETTING UP ALARMS AND BRIGHTNESS

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The Amemo A310 Pulse Oximeter allows you to customize certain settings:

1. **Enter Settings Menu:** With the oximeter turned on, press and hold the power button for approximately 2 seconds to enter the settings menu.
2. **Navigate Menu:** Press the power button briefly to cycle through menu items such as 'Remind Setup', 'Sound Reminder', 'Beep', 'Restore', 'Brightness', and 'Exit'.
3. **Adjust Settings:** To change a setting value (e.g., brightness level, alarm limits), press and hold the power button for 2 seconds when the desired item is highlighted. Use brief presses to adjust the value, then press and hold again to confirm or move to the next setting.
4. **Exit Menu:** Select 'Exit' and press and hold the power button to return to the measurement screen.

# Alarm Setting

## Power Button

- \* Turn On/Off
- \* 8 Second Auto shut-off
- \* Alarm Setup
- \* Beep Setup

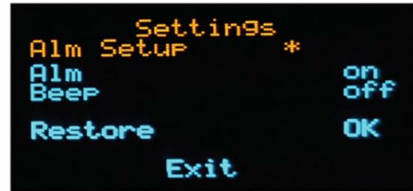


Image 6.1: The alarm setting menu, allowing customization of high/low SpO2 and PR alarm limits, as well as beep settings.

## Video: How to Set Up the Oximeter

Video 6.2: This segment of the product user guide video demonstrates how to access and adjust the oximeter's settings, including alarm limits and screen brightness. (Starts at 1:59)

## 7. ACCURACY AND DURABILITY

The Amemo A310 Pulse Oximeter is designed for reliability and accuracy. It features high-speed chips and a medical-grade silicone finger mold for consistent performance. The device is built with an ABS shell and anti-skip silicone for durability and ease of use.

# Reliable

- \* High-Speed Chips
- \* Medical-Grade Silicone Finger Mold
- \* Bright LED screen
- \* ABS Shell
- \* Acrylic Panel
- \* Anti-skip Silicone



Image 7.1: Key features contributing to the oximeter's reliability, including high-speed chips and medical-grade silicone.

## Video: Accuracy and Durability Test

Video 7.2: This video demonstrates the accuracy of the Amemo A310 Pulse Oximeter by comparing its readings with professional medical equipment, and showcases its durability through a water submersion test. (Starts at 0:00)

## 8. SPECIFICATIONS

Feature	Specification
Product Dimensions	3.14 x 2.16 x 2.36 inches
Item Weight	3.2 ounces
Batteries	2 AAA batteries (included)
Measuring Range (SpO2)	95-100% (typical operating range)
Brand	Amemo
Model Name	Pulse Oximeter (A310)

Color	Black
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## 9. MAINTENANCE

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To ensure the longevity and accurate performance of your Amemo A310 Pulse Oximeter, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft cloth dampened with alcohol (70% isopropyl alcohol is recommended) before and after each use. Do not immerse the device in water or other cleaning solutions.
- **Storage:** Store the oximeter in its carrying case in a cool, dry place, away from direct sunlight, extreme temperatures, and humidity.
- **Battery Care:** Remove batteries if the device will not be used for an extended period to prevent battery leakage and damage.
- **Avoid Drops:** While durable, avoid dropping the device to prevent internal damage. The included silicone cover provides additional protection.

## 10. TROUBLESHOOTING

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If you encounter issues with your Amemo A310 Pulse Oximeter, try the following solutions:

- **No Display/Device Not Turning On:** Check if the batteries are installed correctly with the correct polarity. Replace batteries if they are low or depleted.
- **Inaccurate Readings:** Ensure your finger is inserted deeply and correctly into the oximeter. Make sure there is no nail polish, artificial nails, or dirt on your finger. Keep your hand still during measurement. Ensure your hands are warm.
- **"Finger Out" Message:** Reinsert your finger firmly into the device. Ensure proper contact with the sensor.
- **Slow Readings:** Ensure good circulation in your finger. Warm your hands if they are cold.

If problems persist after trying these steps, please contact customer support.

## 11. WARRANTY AND SUPPORT

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The Amemo A310 Pulse Oximeter comes with a standard manufacturer's warranty. For specific warranty details, including coverage and duration, please refer to the warranty card included in your product packaging or contact Amemo customer support.

For technical assistance, troubleshooting, or any other inquiries, please visit the official Amemo website or contact their customer service department. Contact information can typically be found on the product packaging or the Amemo brand store on Amazon.

**Amemo Brand Store:** [Visit Amemo Store on Amazon](#)