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Alecamed YM301

Alecamed Pulse Oximeter User Manual

MODEL: YM301

Introduction

Thank you for choosing the Alecamed Pulse Oximeter. This device is designed for non-invasive spot-check measurement of functional oxygen saturation of arterial hemoglobin (SpO₂) and pulse rate. It is intended for use by adults and children aged 6 and above in home environments, medical facilities, and during sports activities. Please read this manual thoroughly before use to ensure safe and proper operation.

This manual provides detailed instructions on the setup, operation, maintenance, and troubleshooting of your pulse oximeter. For any questions not covered here, please contact Alecamed customer support.

Package Contents

Upon opening the package, please verify that all items listed below are present and in good condition:

- Alecamed Pulse Oximeter (Model YM301)
- 2 x AAA Batteries
- Lanyard
- Quick Start Guide
- User Manual (this document)

Product Overview

Features

- **20x Memory Function:** Stores up to 20 measurement results with a 30-second countdown automatic memory. Displays the latest 5 results on startup.
- **Fast & Accurate Measurement:** Utilizes advanced intelligent chips and a dual light-blocking shield design for quick and precise readings.
- **Large & Bright TFT-OLED Screen:** Features a 1.3-inch display with adjustable 5-level brightness for clear visibility.
- **Multi-Value Display:** Shows SpO₂, Pulse Rate (PR), Perfusion Index (PI), pulse bar graph, pulse fluctuation indicator, and battery level.
- **Comfortable & Energy-Saving Design:** Built-in soft silicone material for a comfortable fit. Automatically turns off

after 8 seconds of inactivity.

Components

The Alecaremed Pulse Oximeter consists of the main unit, an OLED display, and a finger chamber.



Figure 1: Front view of the Alecaremed Pulse Oximeter, showing the OLED display and power button.

Advanced Chips Accurate Measurement



Figure 2: Exploded view illustrating the internal components, including the smart chip and light sensor.

Setup

Battery Installation

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 indicators inside the compartment.
3. Close the battery compartment cover securely.

Note: Incorrect battery installation may prevent the device from powering on.

Operating Instructions

Taking a Measurement

1. Ensure the device has batteries installed.
2. Open the clamp of the oximeter.
3. Insert one of your fingers (preferably the index or middle finger) into the rubber opening of the oximeter until it touches the stop guide. Ensure your nail is facing upwards towards the display.
4. Release the clamp, allowing the oximeter to gently close around your finger.
5. Press the power button once to turn on the oximeter.
6. Keep your hand still and avoid movement during the measurement. Readings will appear on the display within a few seconds.
7. To rotate the display orientation, short press the power button twice while a measurement is active.
8. The device will automatically turn off after 8 seconds when your finger is removed to conserve battery life.

**Ergonomic Design
& Energy-Saving Design**

While in Use

Skin-friendly material

After Use

8s

*Power off after
finger leaves for 8s*

Figure 3: Proper placement of the finger in the pulse oximeter for accurate measurement.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the use of the Pulse Oximeter and its medical-grade accuracy.

Memory Function

The Alecaremed Pulse Oximeter can store up to 20 sets of measurement data, allowing you to track your oxygen levels over time.

Accessing Memory Data

1. Upon startup, the device automatically displays the latest 5 measurement results.
2. To access the full 20-measurement memory, long press the power button for 2 seconds to enter the settings menu.
3. Short press the power button to navigate to the "DATA REVIEW" option.
4. Long press the power button for 2 seconds to select "DATA REVIEW".
5. Short press the power button to scroll through the stored data sets.



Figure 4: Illustration of the 20x memory function, showing how data is displayed and accessed.

A After opening, long press for 2s to enter the settings page. Long press for 2s to enter the next page or make settings; Short press to next item.

Q How to store memory data?

A Automatically saves a memory after 30s of measurement, and there is a 30s countdown reminder. With reset function - DATA DELETE.

Q How to view memory data?

A Display the last 5 sets of memory after startup; Enter the settings page and select DATA REVIEW to view 20 sets of memories.

Figure 5: Step-by-step guide on how to view the stored 20 sets of data.

Settings

The device allows for various adjustments to enhance user experience, including brightness and alarm settings.

Accessing and Adjusting Settings

1. After pressing the power button to turn on the oximeter, long press the button for 2 seconds to enter the settings page.
2. To navigate through the menu items (e.g., Alarm Setup, Sound, Brightness, Demo), short press the power button.
3. To enter a sub-menu or confirm a setting, long press the power button for 2 seconds.
4. Once inside a setting (e.g., Brightness), short press to cycle through options (e.g., brightness levels 1-5). Long press to confirm your selection and exit the setting.



Figure 6: Visual guide to navigating the device settings, including general setup, alarm, sound, and brightness.

Maintenance

Cleaning the Device

- Clean the surface of the oximeter before and after each use.
- Use a soft cloth dampened with a mild disinfectant (e.g., 70% isopropyl alcohol).

- Do not immerse the device in water or any cleaning solution.
- Ensure the device is completely dry before storage or next use.

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.

Troubleshooting

Problem	Possible Cause	Solution
No display after power on	Batteries are dead or incorrectly installed.	Replace batteries or re-install them correctly, observing polarity.
Display shows "Finger Out" or "Error"	Finger not inserted properly or movement during measurement.	Reinsert finger firmly into the chamber. Keep hand still during measurement.
Readings are unstable	Excessive movement, cold fingers, or nail polish/artificial nails.	Ensure stillness. Warm fingers if cold. Remove nail polish or use a different finger.
Alarm sounds frequently	SpO2 or PR values are outside preset limits.	Check the patient's condition. Adjust alarm limits in settings if necessary.

Specifications

Parameter	Value
Product Dimensions	2.36 x 1.18 x 1.26 inches
Weight	2.89 ounces
Item Model Number	YM301
Batteries Required	2 AAA batteries (included)
Battery Life	Approximately 50 Hours
Measuring Range (SpO2)	70-100%
Manufacturer	Alecaremed
Country of Origin	China

Warranty and Support

Alecaremed provides customer support for its products. If you encounter any issues or have questions regarding your Pulse Oximeter, please refer to the contact information provided in the quick start guide or on the product packaging.

For after-sale service, please feel free to contact us via email. Specific warranty details may vary; please retain your proof of purchase for warranty claims.

Your browser does not support the video tag.

Video 2: Official product video highlighting the top features and benefits of the Alecaremed Pulse Oximeter.

