

Manuals.plus /

› INHALATOR /

› INHALATOR YM201 Finger Pulse Oximeter User Manual

## INHALATOR YM201

# INHALATOR YM201 Finger Pulse Oximeter User Manual

Model: YM201

## INTRODUCTION

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This manual provides essential instructions for the safe and effective operation of your INHALATOR YM201 Finger Pulse Oximeter. Please read this manual thoroughly before use and retain it for future reference.

The INHALATOR YM201 Pulse Oximeter is designed for non-invasive, spot-check measurement of functional oxygen saturation of arterial hemoglobin (SpO<sub>2</sub>) and pulse rate. It is intended for sports and aviation use only and is not a medical device.

## PRODUCT OVERVIEW

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The INHALATOR YM201 features an HD dual-color OLED screen for clear display of SpO<sub>2</sub>, pulse rate, pulse waveform, and histogram. Its compact design and low power consumption make it suitable for portable use.



Figure 1: INHALATOR YM201 Finger Pulse Oximeter with included accessories (lanyard, batteries, storage bag).



**Figure 2:** Key components of the INHALATOR YM201 Pulse Oximeter, including the OLED display showing Oxygen Saturation Level (SpO<sub>2</sub>), Battery Level Indicator, and Power-on Key.

## SETUP

1. **Battery Installation:** Open the battery cover on the back of the device. Insert two (2) AAA 1.5V batteries according to the polarity markings (+/-). Close the battery cover securely.
2. **Lanyard Attachment:** If desired, attach the provided lanyard to the designated loop on the oximeter for easy carrying.
3. **Protective Film:** A thin protective film may be present on the screen. Gently peel it off before first use for optimal display clarity.

## OPERATING INSTRUCTIONS

Follow these steps to obtain a measurement:

1. **Insert Finger:** Open the oximeter clamp and place one of your fingers (preferably the index finger) into the rubber opening of the oximeter. Ensure your finger is inserted completely into the chamber to allow the sensor to obtain accurate readings.
2. **Activate Device:** Press the power button once to turn on the oximeter.
3. **Remain Still:** Do not move your finger or body while the device is taking a reading. Movement

can lead to inaccurate results.

4. **Read Results:** Wait for approximately 8-10 seconds for the device to stabilize the readings and display your SpO<sub>2</sub> (blood oxygen saturation) and PR (pulse rate) on the OLED screen.
5. **Power Off:** The device will automatically shut down after 8 seconds of inactivity to conserve battery life.



**Figure 3:** Step-by-step guide for using the pulse oximeter: 1. Open and insert finger. 2. Ensure full insertion. 3. Press power button and remain still. 4. Wait for results.



**Figure 4:** The INHALATOR YM201 Pulse Oximeter is suitable for use during activities like hiking or exercise, providing quick SpO2 and pulse rate readings.

## MAINTENANCE

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- **Cleaning:** Clean the surface of the oximeter with a soft cloth dampened with alcohol (70% isopropyl alcohol is recommended). Do not immerse the device in water or any other cleaning solution.
- **Storage:** When not in use, store the oximeter in the provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the screen. Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Avoid Drops:** Handle the device with care to prevent damage from drops or impacts.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
No display after power-on	<ul style="list-style-type: none"> <li>Batteries are dead or incorrectly installed.</li> <li>Device is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>Replace batteries or re-install them correctly, observing polarity.</li> <li>Contact customer support if the issue persists.</li> </ul>
Inaccurate or unstable readings	<ul style="list-style-type: none"> <li>Finger not inserted properly.</li> <li>Movement during measurement.</li> <li>Cold fingers or poor circulation.</li> <li>Nail polish or artificial nails.</li> </ul>	<ul style="list-style-type: none"> <li>Re-insert finger fully into the chamber.</li> <li>Remain still during measurement.</li> <li>Warm hands before use.</li> <li>Remove nail polish or use a different finger.</li> </ul>
"Finger Out" or similar error message	<ul style="list-style-type: none"> <li>Finger not detected or improperly placed.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure finger is fully inserted and resting flat on the sensor.</li> </ul>

## SPECIFICATIONS

- **Display Type:** HD Dual-color OLED screen
- **SpO2 Measurement Range:** 70% ~ 99%
- **SpO2 Measurement Accuracy:**  $\pm 2\%$  (80%~99%),  $\pm 3\%$  (70%~79%), <70% unspecified
- **SpO2 Resolution:**  $\pm 1\%$
- **Pulse Rate Measurement Range:** 30 BPM ~ 240 BPM
- **Pulse Rate Measurement Accuracy:**  $\pm 1$  BPM or  $\pm 1\%$  (whichever is greater)
- **Power Consumption:** Less than 30-50mA
- **Power Source:** 2 x AAA 1.5V batteries (included)
- **Battery Life:** Approximately 24 hours of continuous use
- **Automatic Shut-off:** 8 seconds of no operation
- **Operating Temperature:** 5°C ~ 40°C (41°F ~ 104°F)
- **Storage Temperature:** -10°C ~ 40°C (14°F ~ 104°F)
- **Operating Humidity:** 15% ~ 80%
- **Storage Humidity:** 10% ~ 80%
- **Atmospheric Pressure:** 86kPa ~ 106kPa
- **Product Dimensions:** 2.5 x 1.6 x 1.5 inches
- **Product Weight:** 3.52 ounces (with batteries)

## WARRANTY AND SUPPORT

INHALATOR provides a satisfactory solution within 24 hours for any issues related to your purchase. Please contact customer support directly for assistance.

This device is intended for sports and aviation use only and is not a medical device. Consult a medical professional for any health concerns.

