

Zacurate 500E

Zacurate 500E Fingertip Pulse Oximeter User Manual

1. INTRODUCTION

The Zacurate 500E Fingertip Pulse Oximeter is designed for non-invasive spot-checking of arterial oxygen saturation (SpO₂) and pulse rate (PR). This device is intended for use by sports enthusiasts and individuals interested in monitoring their SpO₂ and PR. It features an improved LED and sensor for precise measurements, even at low blood perfusion levels.

Warning: This is not a medical device. This product is intended for sports and aviation use only and is not for medical diagnosis or treatment.

2. PRODUCT OVERVIEW

Familiarize yourself with the components of your Zacurate 500E Pulse Oximeter.

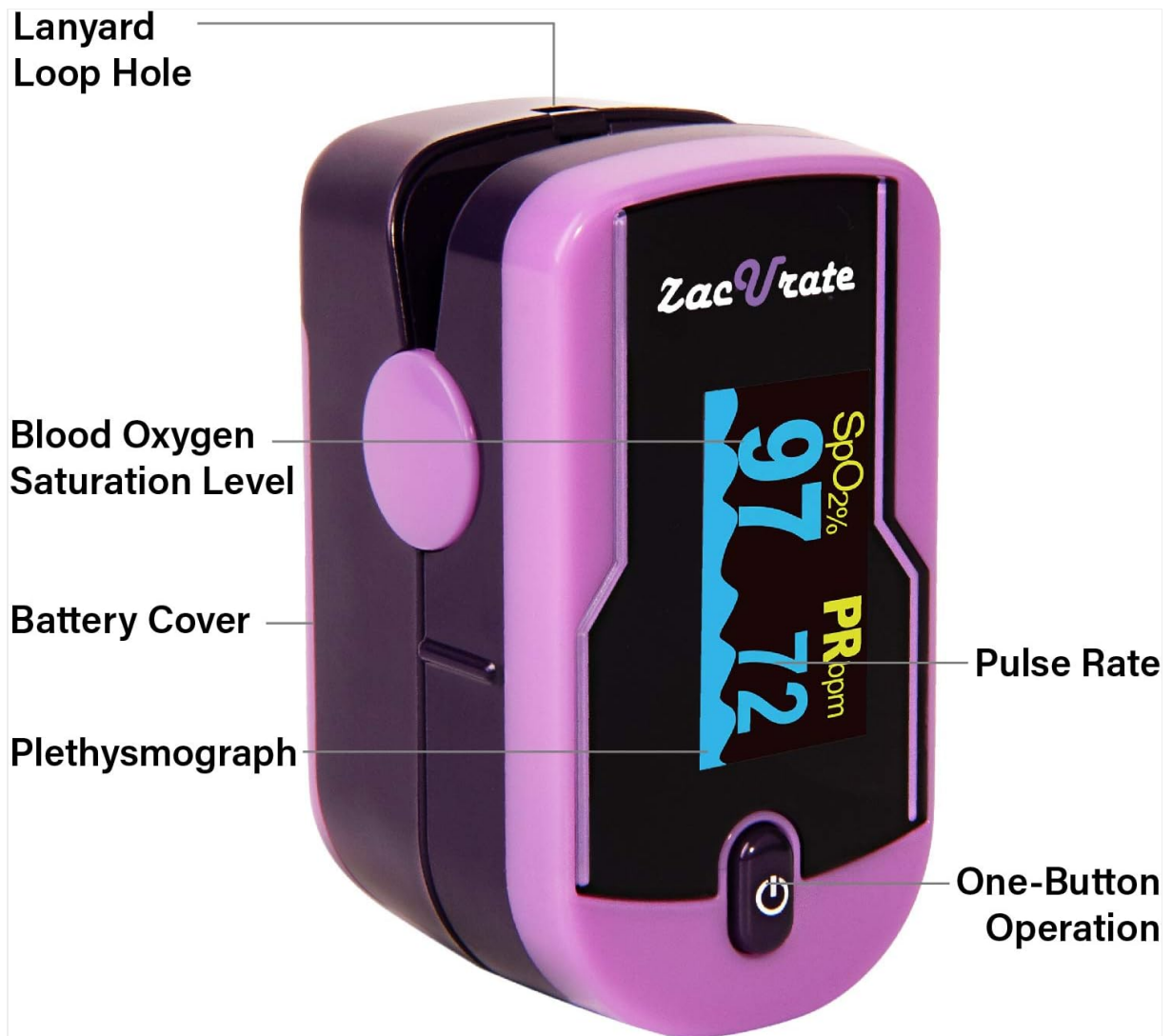


Image 2.1: Zacurate 500E Pulse Oximeter with key components labeled.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Zacurate 500E Fingertip Pulse Oximeter
- Silicon Protective Cover
- Lanyard
- 2 x AAA Batteries
- User Manual (this document)



Image 3.1: All items included in the Zacurate 500E package.

4. SETUP

4.1 Battery Installation

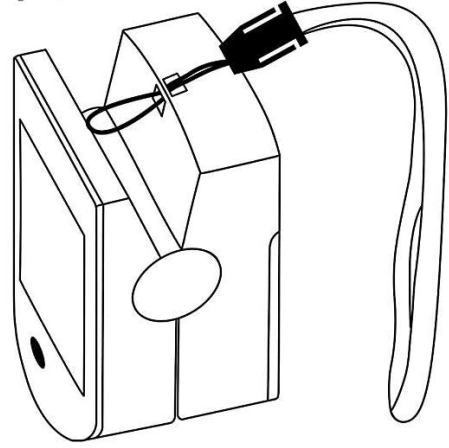
1. Open the battery cover on the back of the device.
2. Insert two AAA batteries according to the polarity indicators (+/-) inside the compartment.
3. Close the battery cover securely.

4.2 Attaching the Lanyard

Follow these steps to attach the lanyard for convenient carrying:

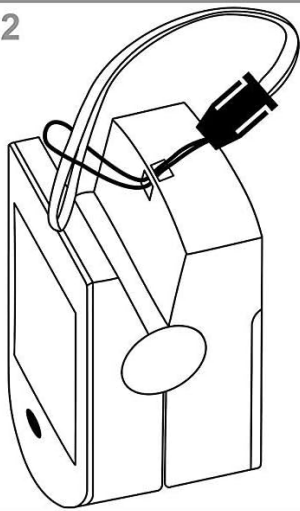
Attaching the Lanyard

Step 1



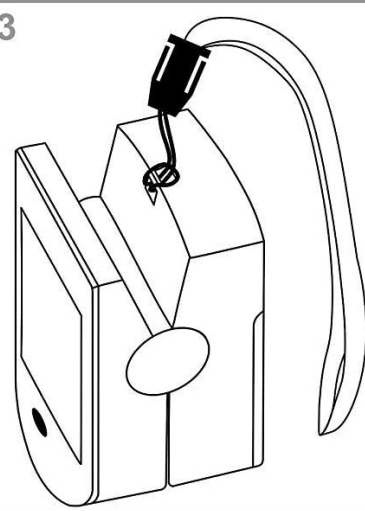
1. Insert the loop of the lanyard into the lanyard holes.

Step 2



2. Thread the lanyard strap through the loop.

Step 3



3. Pull the lanyard strap until it is tight and secured.

Image 4.1: Instructions for attaching the lanyard.

5. OPERATING INSTRUCTIONS

5.1 Taking a Measurement

1. Ensure batteries are correctly installed.
2. Open the clamp of the oximeter.
3. Insert one finger into the rubber opening of the oximeter, ensuring the finger is placed correctly under the LED lights.
4. Release the clamp.
5. Press the power button once to turn on the oximeter.



Image 5.1: Pressing the power button to operate the device.

6. Keep your hand still during the measurement. Readings for SpO₂ and Pulse Rate will appear on the display within seconds.
7. The device will automatically power off after 8 seconds of inactivity.

5.2 Understanding the Display

The display shows your Blood Oxygen Saturation (SpO₂%) and Pulse Rate (PRbpm). A plethysmograph wave indicates the blood flow through the vessels. If the wave amplitude is low, it suggests insufficient blood perfusion for a reliable reading. In such cases, reposition your finger and retake the measurement.

5.3 Display Rotation

The Zacurate 500E features a dual-color OLED rotatable display. Press the power button briefly during operation to cycle through 6 different display layout options, allowing for convenient viewing from various angles.



Image 5.2: Various display orientations and information layouts.

6. MAINTENANCE

6.1 Cleaning

- Clean the surface of the oximeter before and after each use with a soft cloth dampened with medical alcohol (70% isopropyl alcohol).
- Do not immerse the device in water or other cleaning solutions.
- Ensure the device is completely dry before reuse.

6.2 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.

6.3 Battery Replacement

Replace the batteries when the low battery indicator appears on the display. Always use new AAA batteries and dispose of old batteries responsibly.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display after power on	Batteries are low or incorrectly installed.	Replace batteries or re-install them correctly, observing polarity.

Problem	Possible Cause	Solution
Unstable readings or no reading	Finger not inserted properly; patient movement; low blood perfusion.	Reinsert finger, ensuring it is under the LED lights. Remain still during measurement. If plethysmograph wave is low, try a different finger or warm your hand.
"Finger Out" message	Finger is not detected or removed.	Insert finger fully into the device.
Display is dim	Batteries are low.	Replace batteries.

8. SPECIFICATIONS

Technical specifications for the Zacurate 500E Fingertip Pulse Oximeter:

Feature	Detail
Model Name	500E
Brand	Zacurate
Product Dimensions	2.25 x 1.25 x 1.35 inches
Weight	3.53 ounces (with batteries)
Power Source	2 x AAA batteries (included)
Measuring Range (Pulse Rate)	30 bpm to 250 bpm
Display Type	Dual-color OLED, Rotatable
Automatic Shut-off	After 8 seconds of inactivity
Color	Mystic Purple



Image 8.1: Product dimensions of the Zacurate 500E Pulse Oximeter.

9. WARRANTY INFORMATION

The Zacurate 500E Fingertip Pulse Oximeter comes with an **18-month manufacturer warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. This warranty covers defects in materials and workmanship under normal use.

10. SUPPORT

For any questions, technical assistance, or further information regarding your Zacurate 500E Pulse Oximeter, please contact our support team:

Phone: 832-939-8290





Email: cs@beyondmedshop.com


Website: zacurate.com



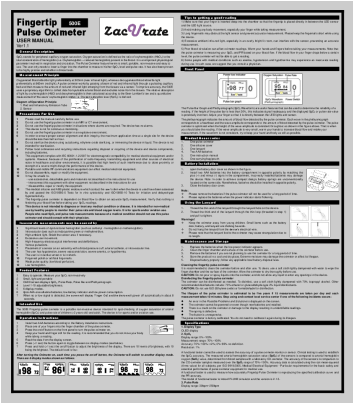
Image 10.1: Zacurate customer support contact details.

Related Documents - 500E

	<p>Zacurate Pulse Oximeter FAQ</p> <p>Frequently asked questions about the Zacurate fingertip pulse oximeter, covering its features, usage, battery life, accuracy, and suitability for different conditions and users.</p>
	<p>Zacurate 500DL Fingertip Pulse Oximeter Quick Start Guide and Troubleshooting</p> <p>Quick start guide and troubleshooting solutions for the Zacurate Pro Series 500DL Fingertip Pulse Oximeter. Learn how to get accurate SpO2 and pulse rate readings, and resolve common issues.</p>
	<p>Zacurate Pulse Oximeter FAQ and User Guide</p> <p>Frequently asked questions and answers about Zacurate fingertip pulse oximeters, covering battery life, usage, accuracy, and normal readings. Learn about SpO2 and pulse rate monitoring.</p>
	<p>Zacurate 500CL Fingertip Pulse Oximeter User Manual - SpO2 and Pulse Rate Monitoring</p> <p>Comprehensive user manual for the Zacurate 500CL Fingertip Pulse Oximeter. Learn how to use, maintain, and understand SpO2 and pulse rate measurements for sports and aviation.</p>

<div><p>Notes & Important Information</p><p>1. This device is not intended for use as a medical device.</p><p>2. Do not use the device in wet or damp conditions.</p><p>3. Do not use the device in the presence of strong magnetic fields.</p><p>4. Do not use the device in the presence of strong electromagnetic fields.</p><p>5. Do not use the device in the presence of strong radio frequency fields.</p><p>6. Do not use the device in the presence of strong static electric fields.</p><p>7. Do not use the device in the presence of strong magnetic fields.</p><p>8. Do not use the device in the presence of strong electromagnetic fields.</p><p>9. Do not use the device in the presence of strong radio frequency fields.</p><p>10. Do not use the device in the presence of strong static electric fields.</p></div> 	<p>Zacurate 500BL Pulse Oximeter Battery Installation Guide</p> <p>Step-by-step instructions for installing AAA batteries in the Zacurate 500BL fingertip pulse oximeter, including important notes on battery orientation and a detailed description of the process.</p>
<div><p>JUMPER Pulse Oximeter</p><p>Model: JPD-500E(LED) Manual Version: 1.0</p><p>Instructions to User</p><p>Dear User, Thank you for purchasing the Jumper Pulse Oximeter. This user manual provides instructions for the Jumper Pulse Oximeter, including important notes on battery orientation and a detailed description of the process.</p><p>WARNING:</p><ul style="list-style-type: none">• Do not use the device in wet or damp conditions.• Do not use the device in the presence of strong magnetic fields.• Do not use the device in the presence of strong electromagnetic fields.• Do not use the device in the presence of strong radio frequency fields.• Do not use the device in the presence of strong static electric fields.<p>1. Safety</p><p>1.1 Precautions for Safe Operation</p><ul style="list-style-type: none">• Do not use the device in wet or damp conditions.• Do not use the device in the presence of strong magnetic fields.• Do not use the device in the presence of strong electromagnetic fields.• Do not use the device in the presence of strong radio frequency fields.• Do not use the device in the presence of strong static electric fields.<p>1.2 Warning</p><ul style="list-style-type: none">• Do not use the device in wet or damp conditions.• Do not use the device in the presence of strong magnetic fields.• Do not use the device in the presence of strong electromagnetic fields.• Do not use the device in the presence of strong radio frequency fields.• Do not use the device in the presence of strong static electric fields.<p>1.3 Attention</p><ul style="list-style-type: none">• Do not use the device in wet or damp conditions.• Do not use the device in the presence of strong magnetic fields.• Do not use the device in the presence of strong electromagnetic fields.• Do not use the device in the presence of strong radio frequency fields.• Do not use the device in the presence of strong static electric fields.</div>	<p>Jumper JPD-500E(LED) Pulse Oximeter User Manual</p> <p>This user manual provides instructions for the Jumper JPD-500E(LED) Pulse Oximeter, covering safe operations, product features, principle of measurement, troubleshooting, and technical specifications. It details how to use the device for measuring oxygen saturation and pulse rate.</p>

Documents - Zacurate – 500E



[\[pdf\]](#) User Manual

Fingertip LeonWork Zacurate 500E Premium Pulse Oximeter White User Manual Version 1 0c5a3d8a
bd60 4c11 8b87 17b257efa712 v 1586893854 quot cdn shopify s files 0140 9148 5270 |||

Fingertip **500E** Pulse Oximeter USER MANUAL Ver1.1 General Description SpO2 stands for peripheral capillary oxygen saturation. Oxygen saturation is defined as the ratio of oxyhemoglobin HbO2 to the total concentration of hemoglobin i.e. Oxyhemoglobin reduced hemoglobin present in the blood. ...

lang:en score:26 filesize: 563.23 K page_count: 2 document date: 2018-02-16