



## INSTRUCTION MANUAL

# deluxe pulse oximeter

Item 78-50D4

Please read this instruction manual  
completely before operating this unit.

## INDEX

Introduction	3
Important Safeguards - Care and Safety Information	4-5
Features of Your Device	6
How Pulse Oximeters Work	6
Display Modes	7
Using Your Pulse Oximeter	8-9
Quick-Release Lanyard	10
Battery Installation and Replacement	11
Care and Maintenance	12
Troubleshooting	13
Specifications	14
Warranty	15

---

**Toll-Free Customer Care Help Line: 1-866-326-1313**  
**Monday – Friday 8:30 a.m. – 4:30 p.m. CST**



Distributed by  
ALDI Inc.  
Batavia, IL 60510  
[www.ALDI.us](http://www.ALDI.us)  
Made in China  
#93-1155 02/14

**STOP!**  
**PLEASE ENSURE YOU HAVE ALL OF THE FOLLOWING  
PIECES BEFORE USE**



Unit with  
Quick-Release  
Lanyard



Instruction Manual

**IF YOU ARE MISSING ANY PARTS, INCLUDING INSERTS OR  
INSTRUCTION MANUALS, DO NOT RETURN TO PLACE OF PURCHASE.  
CONTACT CUSTOMER CARE AT 866-326-1313.**

## **INTRODUCTION**

**Please read all instructions carefully prior to first use.**

Thank you for purchasing a Pulse Oximeter. With proper care and use, your Pulse Oximeter will provide you with many years of reliable service. The Pulse Oximeter measures user blood oxygen saturation (SpO<sub>2</sub>) and pulse rate information for sports and aviation activities in a small, portable, easy-to-use device.

The Pulse Oximeter is intended for use for persons engaging in sporting and aviation activities. Persons who need SpO<sub>2</sub> and pulse rate measurements because of a medical condition should not use the Pulse Oximeter and should consult with their physician.

# IMPORTANT SAFEGUARDS - CARE AND SAFETY INFORMATION

**PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE USE.  
FAILURE TO READ AND OBSERVE ALL PRECAUTIONS COULD  
RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.**

## **GENERAL CAUTIONS AND WARNINGS**

- Keep unit and lanyard out of reach of children as the included lanyard may present an entanglement or choking hazard to small children. Adult supervision required; never leave children unattended with unit or lanyard.
- To avoid electrical shock keep the unit away from water; never immerse the unit in liquid as this will damage the unit
- Do not handle the unit with wet hands
- Do not use the unit if it has been submersed in water or dropped
- If any abnormality in product function occurs, discontinue use until the unit has been examined; discontinue use and return to the manufacturer for review and replacement under the terms of the two-year warranty
- Do not shake the unit when in operation
- Do not disassemble the unit or attempt to repair it

# IMPORTANT SAFEGUARDS - CARE AND SAFETY INFORMATION

## **OPERATING CAUTIONS AND WARNINGS**

- Never tie or tape Pulse Oximeter to your finger
- Explosion hazard: Do not use the product in an explosive atmosphere

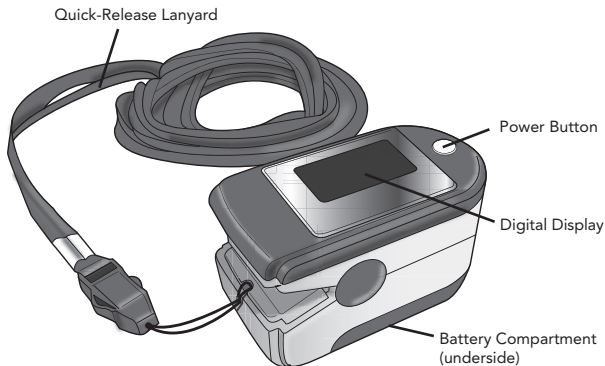
## **STORAGE CAUTIONS AND WARNINGS**

- Never leave the Pulse Oximeter unit in direct sunlight, high temperature or humidity
- Keep the unit out of reach of small children

## **CLEANING CAUTIONS AND WARNINGS**

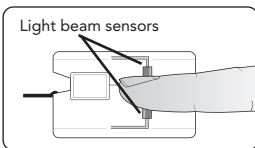
- Never immerse the Pulse Oximeter in water to clean as it may be damaged
- Follow the included instructions for cleaning the unit after each use; if the unit has not been used for an extended period, the device should be cleaned prior to use

## FEATURES OF YOUR DEVICE



## HOW THE PULSE OXIMETER WORKS

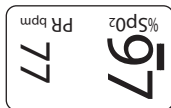
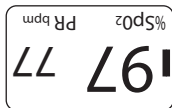
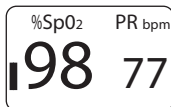
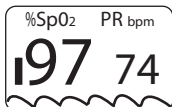
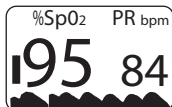
The Pulse Oximeter works by shining two light beams into the small vessels or capillaries of the finger to determine the user's the blood oxygen saturation percentage and pulse rate that is then displayed on the Pulse Oximeter's screen. The unit uses the phrase "SpO2" to identify the oxygen saturation level and displays it as a percentage of full capacity (100%). Pulse rate is identified by the phrase "PR bpm" and is displayed as beats per minute.



# DISPLAY MODES

## SCREEN DISPLAY ORIENTATION

The Pulse Oximeter display can be adjusted to allow for easy viewing from any angle. To change the screen's orientation, turn the unit on by pressing and releasing the power button. While the unit is ON, continue to press and release the power button until the desired screen orientation is on the display.



## DISPLAY SCREEN BRIGHTNESS

There are five levels of screen brightness on this unit; the default is level is the brightest level.

When the unit is ON, press and hold the power button. The screen will slowly cycle through 5 brightness levels; release the power button when the desired brightness is reached.

The unit will default to the brightest screen again at the next use.

## USING YOUR PULSE OXIMETER

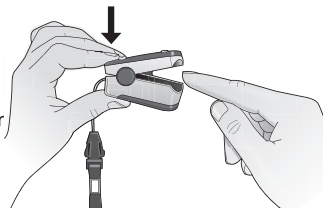
The Pulse Oximeter may be used while the user is seated, standing or lying down. The user should not be walking or running during measurements and should take care not to excessively move the arm or hand where the oximeter is attached.

### PRIOR TO USE

Keeping the sensors clean will help ensure accurate readings. Before and after each use, carefully swab inside the unit with a soft cloth or cotton swab with rubbing alcohol. Do not pour the alcohol directly on or in the unit.

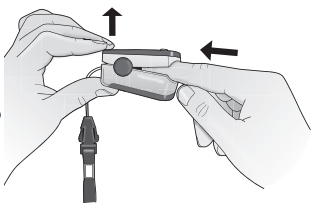
**Suitable for use on any finger (excluding the thumb). In our experience, the index or middle finger work best.**

Dirty hands or nail polish (especially dark shades) can also affect reading accuracy. Washing your hands and/or removing any nail polish prior to use to help ensure accurate readings.



### USING YOUR PULSE OXIMETER

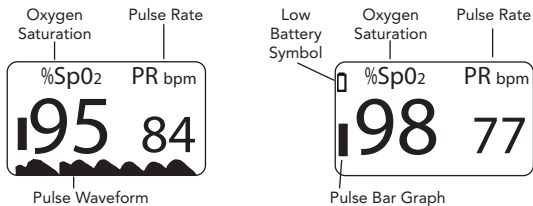
1. Squeeze the hinged end of the unit to open the measurement side of the unit.
2. Insert your finger nail side up into the unit until resistance is felt. The unit should gently close below the first knuckle of the





## USING YOUR PULSE OXIMETER

finger, and the sensors inside the unit should align with the finger nail and pad at the tip of the finger.



3. Press the power button to turn the unit on. The screen will briefly flash a test display, and then begin the measurement.
4. Solid dashes (---) will appear on the display for a few seconds, then the display will begin to show the oxygen saturation (SpO<sub>2</sub>) and pulse rate (PR bpm) measurements.

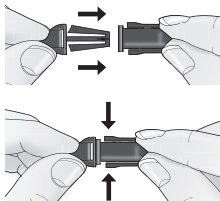
Take care to not move excessively during monitoring. These are active readings and may fluctuate slightly as you observe the display, responding to your heart rate (bpm) and other factors.

5. The Pulse Oximeter should only be used for spot-checking blood oxygen saturation and pulse rate and should not remain on the finger for more than a few minutes at a time.
6. Remove the unit from the finger. The unit will automatically turn off after 5 seconds.
7. Clean the unit as directed before storage.

## QUICK-RELEASE LANYARD


The lanyard features a quick-release clip for easy release while in use.

**CHOKING HAZARD**-The included lanyard may present an entanglement or choking hazard to small children. Adult supervision required; never leave children unattended with unit or lanyard.

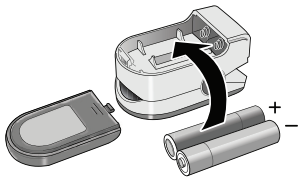


## BATTERY INSTALLATION AND REPLACEMENT

**This unit comes complete with 2 AAA batteries.**

It is necessary to replace the batteries when the Low Battery symbol  appears on the display or when the display does not turn on after the red power button is pressed.

1. Slide off the battery cover.
2. Insert or replace 2 AAA batteries into the battery compartment, ensuring to match the indicated polarity symbols. Always use new batteries.
3. Replace the battery cover.
4. It is recommended to remove the batteries if the unit will not be used for an extended period of time.

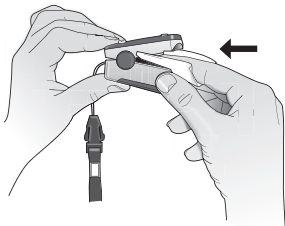


Please dispose of expired batteries according to local recycling regulations.

## CARE AND MAINTENANCE

Before and after each use, carefully swab inside the unit with a soft cloth or cotton swab with rubbing alcohol. Do not pour the alcohol directly on or into the unit.

The unit should be stored in a dry environment, within the ideal temperature range of -40°F–140°F(-40°C–60°C).



## TROUBLESHOOTING

### **SpO<sub>2</sub> or PR is not displaying a reading though the power is on**

- Reinsert the finger, remain still

### **SpO<sub>2</sub> or PR display readout is unstable and fluctuating highly**

- Finger may not inserted deep enough
- Finger may be trembling, try to remain still

### **The unit will not turn on**

- Ensure the batteries have been properly installed
- Replace the batteries
- If the unit will not turn on after changing batteries, consult Customer Care

### **Display screen goes blank**

- The unit will automatically shut-off after 5 seconds if no finger is inserted
- Check the batteries and replace if needed

## SPECIFICATIONS

<b>NAME</b>	Deluxe Pulse Oximeter
<b>MODEL NUMBER</b>	78-50D4
<b>DISPLAY SYSTEM</b>	Digital display/OLED
<b>POWER SOURCE</b>	2 "AAA" batteries
<b>SpO<sub>2</sub> MEASURING RANGE</b>	0-100%
<b>SpO<sub>2</sub> ACCURACY</b>	70-100%, ±2%; ≤69% no definition
<b>PULSE RATE MEASURING RANGE</b>	30-250 bpm
<b>PULSE RATE ACCURACY</b>	30-250 bpm, ±2 %
<b>AUTOMATIC SHUT-OFF</b>	After 5 seconds of no indication on the sensors
<b>OPERATION ENVIRONMENT</b>	Temperature 50°F – 104°F (10°C – 40°C); Humidity 30% – 75%
<b>STORAGE ENVIRONMENT</b>	Atmospheric Pressure: 700hPa ~1060hPa Temperature -40°F – 140°F (-40°C – 60°C); Humidity 5% – 95%
<b>UNIT DIMENSIONS</b>	Atmospheric Pressure: 500hPa ~1060hPa 2-1/4" x 1-1/4" x 1-1/4"
<b>UNIT WEIGHT</b>	1.7 oz. (with batteries); 0.9 oz. (without batteries)

*Specifications are subject to change without notice*

## TWO-YEAR LIMITED WARRANTY

Congratulations on your purchase of a Deluxe Pulse Oximeter. Your Pulse Oximeter is covered by the following limited warranty commencing upon the date of purchase for a period of two years, and subject to the following terms and conditions:

The warrantor warrants that its Pulse Oximeter will be free from defects in materials and workmanship under normal consumer usage for as long as the original purchaser owns the product.

Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Pulse Oximeter for commercial purposes or subjecting the Pulse Oximeter to abnormal usage or conditions; or (d) other acts which are not the fault of the warrantor, are excluded from coverage. This warranty does not cover batteries or other power sources that may be provided with, or used with the Pulse Oximeter.

If the Pulse Oximeter fails to conform to this limited warranty, return the Pulse Oximeter postage prepaid to: **Attn: Repair Department, 1175 Lakeside Drive, Gurnee, IL, 60031**. When returning a product, please also include: (i) a copy of your receipt, bill of sale or other comparable proof of purchase; (ii) a written description of the problem; and (iii) your name, address and telephone number. Carefully package the product to avoid any damage that may occur while in transit; shipping insurance with returned receipt is recommended. At our option, the warrantor will repair or replace the unit found to be defective in materials or workmanship under normal consumer usage. The purchaser will be notified of any additional repairs required prior to completing the repair, and will be responsible for parts charges, if any, and repair charges not covered by this limited warranty.

EXCEPT AS PROVIDED FOR IN THIS LIMITED WARRANTY, ALL EXPRESS AND IMPLIED WARRANTIES AND CONDITIONS ARE DISCLAIMED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL THE WARRANTOR BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR FOR DAMAGES TO, OR LOSS OF, OTHER PROPERTY OR EQUIPMENT OR PERSONAL INJURIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

# SAVE THESE INSTRUCTIONS

**PLEASE FILL-IN INFORMATION  
FOR FUTURE REFERENCE AND  
ATTACH YOUR RECEIPT BELOW.**

This information is necessary should you need to contact Customer Care in the future.

Model: **78-50D4**

Name: **Pulse Ox Fit Deluxe Pulse Oximeter**

Date Purchased: \_\_\_\_\_

Store Name: \_\_\_\_\_

Lot No. (located on the bottom of the monitor)

---

**ATTACH RECEIPT HERE**

**REFERENCE PAGE**