

Mobiclinic PY-04

Mobiclinic PY-04 Finger Pulse Oximeter User Manual

Model: PY-04 (QE-00092/27)

1. INTRODUCTION

The Mobiclinic PY-04 Finger Pulse Oximeter is a compact, non-invasive device designed for spot-checking arterial oxygen saturation (SpO₂) and pulse rate (PR) in adults and pediatric patients at home or in clinical settings. It provides accurate and reliable measurements quickly and conveniently.

This device features a clear LED display, low power consumption, and an automatic shutdown function to conserve battery life. Its lightweight design makes it ideal for portable use.

2. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before using the device. Failure to follow these instructions may result in inaccurate readings or device damage.

- This device is intended for spot-checking only and is not for continuous monitoring.
- Consult your physician for interpretation of SpO₂ and pulse rate readings. Self-diagnosis based on readings can be dangerous.
- Keep the device out of reach of children. Small parts may pose a choking hazard.
- Do not use the oximeter in an MRI or CT environment.
- Do not use the oximeter in situations where alarms are required.
- Avoid exposing the device to direct sunlight, extreme temperatures, or moisture.
- Do not use corrosive detergents or disinfectants to clean the device.
- Remove batteries if the device will not be used for an extended period.

3. PRODUCT OVERVIEW

The Mobiclinic PY-04 Finger Pulse Oximeter consists of a main unit with an LED display, a power button, and a finger chamber.



Figure 1: Overall view of the Mobiclinic PY-04 Finger Pulse Oximeter.



Figure 2: The oximeter display showing SpO2 percentage and pulse rate (PR) in beats per minute (bpm).

4. SETUP

4.1 Battery Installation

The device requires three AAA batteries for operation. Follow these steps to install them:

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover off in the direction indicated by the arrow.
3. Insert three AAA batteries according to the polarity markings (+ and -) inside the compartment.
4. Slide the battery cover back into place until it clicks securely.



Figure 3: Side view of the oximeter, indicating the location of the battery compartment.

5. OPERATING INSTRUCTIONS

5.1 Taking a Measurement

To obtain an accurate reading, follow these steps:

1. Ensure the oximeter has sufficient battery power.
2. Open the clamp of the oximeter.
3. Insert one of your fingers (preferably the index, middle, or ring finger) into the rubber opening of the oximeter, ensuring your nail is facing upwards towards the display.
4. Release the clamp, allowing the oximeter to gently grip your finger.
5. Press the power button once to turn on the device.
6. Keep your hand still and relaxed during the measurement. Movement can affect accuracy.
7. The readings for SpO₂ and pulse rate will appear on the display within a few seconds.
8. The device will automatically shut off after 8 seconds of inactivity.



Figure 4: Proper placement of the finger in the oximeter for measurement.

5.2 Understanding the Display

The LED display shows the following information:

- **SpO2%:** Peripheral Oxygen Saturation, indicating the percentage of hemoglobin in the blood that is saturated with oxygen.
- **PR bpm:** Pulse Rate, indicating your heart rate in beats per minute.
- **Plethysmograph:** A waveform graph that visually represents your pulse strength.
- **Battery Indicator:** Shows the current battery level.

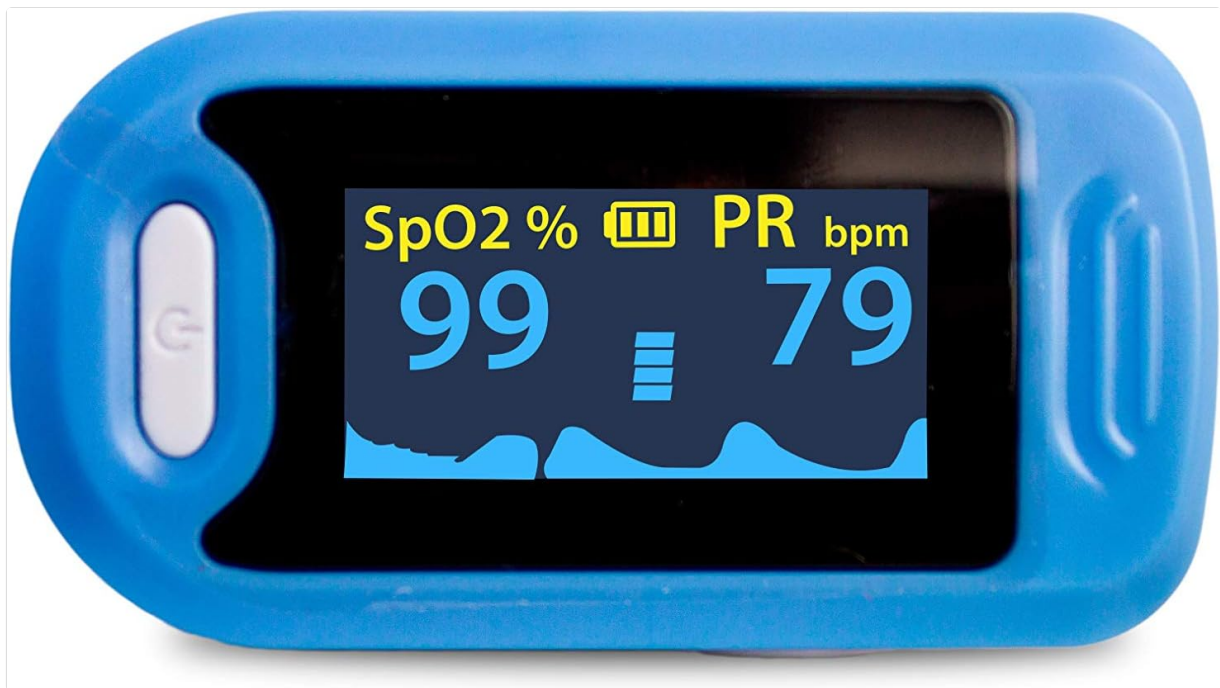


Figure 5: Detailed view of the oximeter display with readings and waveform.

6. MAINTENANCE

6.1 Cleaning

To ensure the longevity and hygiene of your oximeter:

- Clean the surface of the device with a soft cloth dampened with a mild disinfectant (e.g., 70% isopropyl alcohol).
- Wipe the finger chamber with a soft cloth or cotton swab dampened with disinfectant.
- Do not immerse the device in water or any cleaning solution.
- Allow the device to air dry completely before reuse.

6.2 Storage

Store the oximeter in a cool, dry place, away from direct sunlight and extreme temperatures. If not in use for an extended period, remove the batteries to prevent leakage.

7. TROUBLESHOOTING

If you encounter issues with your Mobiclinic PY-04, refer to the table below:

Problem	Possible Cause	Solution
No display after pressing power button	Batteries are dead or incorrectly installed.	Replace batteries or re-install them correctly, observing polarity.
Inaccurate or unstable readings	Finger not properly inserted; excessive movement; cold fingers; nail polish or artificial nails.	Re-insert finger correctly; remain still; warm hands; remove nail polish/artificial nails.

Problem	Possible Cause	Solution
"Finger Out" message	Finger not detected or removed.	Ensure finger is fully inserted into the chamber.
Device shuts off unexpectedly	Low battery; automatic shutdown after 8 seconds of inactivity.	Replace batteries if low; this is normal behavior if no finger is detected or removed.

8. SPECIFICATIONS

Technical specifications for the Mobiclinic PY-04 Finger Pulse Oximeter:

Feature	Detail
Brand	Mobiclinic
Model Name	Mobiclinic PY-04 Finger Pulse Oximeter
Product Model Number	QE-00092/27
Product Dimensions	3 x 3.7 x 9 cm
Weight	70 g
Batteries Required	3 AAA batteries
Batteries Included	No
Battery Life	40 Hours
Measurement Range (SpO2)	70 - 99%
Color	Grey and Blue
Country of Origin	Spain
First Available Date	March 26, 2020

9. WARRANTY AND SUPPORT

Mobiclinic products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your purchase or visit the official Mobiclinic website. Please retain your proof of purchase for any warranty claims.