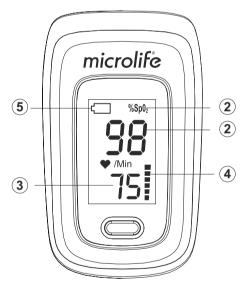
moo.elife.com Espenstrasse 139 9443 Widnau / Switzerland

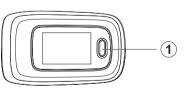


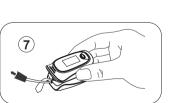


microlife

OXY 200









Serial Number

Date of Purchase

Specialist Dealer

Shenzhen Jumper Medical Equipment Co., Ltd Building D, No. 71, Xintian Road, Fuyong Street, Baoan, Shenzhen, Guangdong 518103, China Wellkang Ltd.
Suite B, 29 Harley Street, London, W1G 9QR, U.K. **C**€0482



 ON/OFF button 2 Oxygen saturation (value as percentage)

Pulse rate (value in beats per minute)

Pulse bar

5) Low battery indicator) Inserting the batteries Attaching the lanyard

(8) Operation principle

Dear Customer, This Microlife fingertip pulse oximeter is a portable noninvasive device intended for spot-checking of the oxygen saturation of arterial hemoglobin (SpO2) and pulse rate of adults and pediatric patients. It is suitable for private use (at home, or on the go) as well as for use in the medical sector (hospitals, hospital-type facilities). It has been clinically proven to be of high precision during repeatability. If you have any questions, problems or want to order spare parts please contact your local Microlife-Customer Service. Your dealer or pharmacy will be able to give you the address of the Microlife dealer in your country. Alter

you will find a wealth of invaluable information on our Retain instructions in a safe place for future reference. Stay healthy – Microlife AG!

1. Explanation of symbols Batteries and electronic devices must be

disposed of in accordance with the locally applicable regulations, not with domestic waste. Read the instructions carefully before using this device.

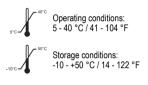
Type BF applied part

Manufacturer

Low battery indicator SN Serial number

P22 Protected against dripping water Authorized representative in the European community

% SpO₂ Oxygen saturation (value as percentage) /Min Pulse rate (value in beats per minute)



C € 0482 CE Marking of Conformity

2. Important Safety Instructions

 Follow instructions for use. This document provides impor-tant product operation and safety information regarding this device. Please read this document thoroughly before using the device and keep for future reference. This device may only be used for the purposes described in these instructions. The manufacturer cannot be held liable for damage caused by incorrect

application.

Never immerse this device in water or other liquids. For cleaning please follow the instructions in the «Cleaning and Disinfecting» section.
 Do not use this device if you think it is damaged or

Never open this device.

must be treated with caution. Observe the storage and operating conditions described in the «Technic Specifications» section.

 Protect it from: water and moisture

impact and dropping direct sunlight

 heat and cold
 The function of this device may be compromised when used close to strong electromagnetic fields such as mobile phones or radio installations and we recommend a distance of at least 1 m (according to 60601-1-2 table 5). In cases where you suspect this to be unavoidable, please verify if the device is working properly before use.
 Do not use the device in an MRI or CT environment.

 This device is not intended for continuous monitoring. Do not sterilize this device using autoclaving or ethylene oxide sterilizing. This device is not intended

for sterilization. If the device is not going to be used for a prolonged period the batteries should be removed.

Ensure that children do not use this device unsupervised; some parts are small enough to be swallowed. Be aware of the risk of strangulation in case this device is supplied with cables or tubes. Use of this device is not intended as a substitute for a consultation with your doctor.

3. General Description

Oxygen saturation indicates the percentage of hemo-globin in arterial blood that is loaded with oxygen. This is **Battery:** a very important parameter for the respiratory circulation system. Many respiratory diseases can result in lower oxygen saturation within human blood. Following factors can reduce oxygen saturation: Automatic regulation of organ dysfunction caused by anesthesia, intensive postoperative trauma, injuries caused by some medical examinations. These situations may result in light-headedness, asthenia and vomiting. Therefore, it is

4. Measurement Principles

Principle of this fingertip pulse oximeter: A mathematical formula is established making use of Lambert Beer Law according to spectrum absorption characteristics of deoxyred and near-infrared zones.

very important to know the oxygen saturation of a patient so

Operation principle of this device: Photoelectric

batteries (§)» section.

2. Insert one finger (nail side up; index or middle finger is recommended) into the finger opening of the device. Be sure to fully insert the finger so that the

Do not shake your finger during the test. It is recommended that you do not move your body whilst

8 seconds after the finger is removed from the device. The height of the bar graph (4) is an indication of

The device must be able to measure the pulse properly to obtain an accurate SpO₂ measurement. Verify that nothing is hindering the pulse measurement before relying on the SpO₂ measurement.

Pulse Oximeter

Inaccurate measurements may occur if:

• The patient suffers from significant levels of dysfunctional hemoglobin (such as carboxyhemoglobin or

sunlight). Shield the sensor area with a surgical towel

LED display Measurement range: 70 ~ 100 % Accuracy: 70 - 100 %: ±2 % Measurement range: 30 ~ 250 bpm

Accuracy: 30 ~ 99 bpm: ±2 bpm; 15 - 80 % relative maximum

Storage conditions: -10 - +50 °C / 14 - 122 °F 10-93 % relative maximum humidity

Automatic switch-off: Automatically shut down in 8 seconds, when no or low signal is detected.

2 x 1.5 V alkaline batteries; size AAA approx. 30 hours (using new Battery lifetime: 50 g (including batteries) 62 x 37 x 32 mm EN ISO10993-1/-5/-10; IEC 60601-1; EN 60601-1-2;

ISO 80601-2-61; EN 62304; EN 60601-1-6; CE0482 Expected service life: 5 years (when used 15 times/day

that doctors can detect problems in a timely manner. Technical alterations reserved.

genated hemoglobin (Hb) and oxyhemoglobin (HbO₂) in oxyhemoglobin inspection technology is adopted in accordance with capacity pulse scanning and recording technology, so that two beams of different wavelength of lights (660 nm red and 905 nm near infrared light) can be focused onto a human nail tip through a clamping fingertype sensor. A measured signal obtained by a photosen-sitive element, will be shown on the display through

5. Directions for Use

1. Insert the batteries as described in the «Inserting the

sensors are completely covered by the finger.

3. Release the device allowing it to clamp down on the tinger.

4. Press the ON/OFF button ① to turn the device on.

taking a reading.

6. Your measurement values will appear on the screen

after a few seconds.

Remove your finger from the device.

The device will automatically switch off after approx.

the pulse and signal strength. The bar should be greater than 30 % for a proper reading.

The maximum application time at a single site should be less than 30 minutes, in order to ensure correct sensor alignment and skin integrity.

