

StressLocator

Bluetooth Pulse Oximeter – StressLocator



User's Guide

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Introduction

Congratulations on purchasing StressLocator - wireless pulse oximeter. Your new product measures blood oxygenation and heart rate. The StressLocator Oximeter is a light-weight, portable device for non-invasive, on the spot measuring. This guide will help you set up and operate the device.

Disclaimer

The StressLocator Oximeter is not a professional medical device and should only be used by healthy individuals. The device should not be used for continuous nonstop measuring.

Compatibility

The StressLocator Oximeter is designed to to work with Android devices running the operating system Android 2.3 or higher that are quipped with bluetooth.

Package content

- StressLocator Oximeter
- lanyard

Specifications

Bluetooth

version 4.0

BLE - Bluetooth Low Energy

Measurement Range

Spo2 : 0 - 100%

Pulse Rate: 25 ~ 250 BPM

Resolution

Spo2 : 1%

Pulse Rate : 1BPM

Accuracy

SPO2 Accuracy : +-2% (70-100%)

No defined (35-70%)

Pulse Rate: +-1% (25-250BPM)

Input Voltage: 3V

Input Current: <40mA

Environment

Temperature

Working: 0~45°C

Storage: -20~55°C

Humidity

Working: 30~95%

Storage: 10~100%

Standards

EN865 Calibration specification for pulse oximeters

EN60601-1 Safety for medical equipment

EN60601-1-4 General safety standard

Product description

The StressLocator Oximeter measures blood oxygenation and heart rate. The device is optical-based - two beams of light screen the blood vessels and capillaries of your finger.

Results showing 96% - 99% are considered to be normal. Greater height above sea level and other factors may affect the measurement results.

Advice and warnings

- Do not use the StressLocator oximeter nearby sources of strong magnetic resonance
- Limit the movement of your finger while measuring. Any movement may affect the results.
- Do not use the StressLocator Oximeter and a blood pressure monitor with a cuff on the same arm at the same time.
- The StressLocator Oximeter will not warn you if your blood oxygenation is too high or too low.
- To ensure proper functioning, keep the device clean.
- For precise measuring, your finger must be clean.
- The following factor may reduce the accuracy of the measurement:
- Blinking or very strong light
- low perfusion
- low hemoglobin level
- hypotension, severe vasoconstriction, severe anemia or hypothermia
- The StressLocator Oximeter will not measure correctly if the finger is not perfused enough. Rub your finger for better perfusion or use another finger to perform the measurement.
- Do not use in flammable environment.

- Do not use in an environment that does not fulfill the operating and storage requirements. (see Specifications)
- Strong transmitters (e.g. television, radio) may affect precision of the oximeter.
- The StressLocator Oximeter is not made of any health damaging materials.
- Precision of measurements may be affected by car radios.
- The package of the StressLocator Oximeter is recyclable and must be handled in accordance with local laws.
- All unrecyclable parts of the StressLocator Oximeter must be handled in accordance with local laws.

First start

1. Insert batteries into the device
2. Download the StressLocator Pro or StressLocator Free app from Google Play to your Android device

Pairing the oximeter with your Android device

1. Activate the oximeter by inserting finger inside and pressing the button on the front side of the device.
2. Go to the settings menu of your Android device
3. Select the “bluetooth” option
4. switch “bluetooth” to “on”
5. select “search for devices”
6. From the list “available devices” select the device “StressLocator”

Installation and starting the application

7. Start the application StressLocator
8. Select “Start” in the main menu
9. Insert your finger inside the oximeter and pressing the button.
10. In the device menu, select “bluetooth oximeter”