Pulse Oximeter User Manual

1. Introduction

The Pulse Oximeter UP-100CN is a non-invasive device to monitor the oxygen saturation of arterial hemoglobin (SpO2) and the pulse rate of users. It is suitable for adult users through the finger in home and hospital environments (including clinical use for monitoring of oxygen saturation of arterial hemoglobin (SpO2) and the pulse rate of users). The Pulse Oximeter features in small volume, low power consumption, convenient operation, and being portable. It is only necessary for user to put one of his fingers into a finger photoplethysmographic sensor and the display screen will directly show measured value of Hemoglobin Saturation.

2. Principle of Measurement

The Pulse Oximeter uses a device called the pulse oximeter, which is an oxygen saturation monitor. This is done by placing a sensor on the user's finger and measuring the amount of red and infrared light that is absorbed by the blood. The amount of light absorbed is directly proportional to the amount of oxygenated hemoglobin in the blood. This information is then displayed on the screen of the device.

3. Specifications

- SpO2 accuracy: 0.5%
- Pulse rate accuracy: 0.3 bpm
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4. Instructions for Use

- Power on the device and wait for the display to show the current SpO2 and pulse rate.
- Attach the sensor to the user's finger and ensure it is securely fastened.
- The device will automatically detect the user's SpO2 and pulse rate.
- The device will display the results on the screen.

5. Maintenance

- The device should be cleaned regularly with a soft, dry cloth to prevent the build-up of dirt and dust.
- Do not use harsh chemicals or solvents to clean the device.
- The device should be stored in a cool, dry place.

6. Troubleshooting

- If the device is not functioning properly, check that the sensor is securely attached to the user's finger.
- Check that the battery is fully charged.
- If the device is still not functioning properly, contact customer support.

7. Warranty

- The device comes with a 12-month warranty.
- The warranty covers defects in materials and workmanship.
- The warranty does not cover damage caused by misuse or abuse.

8. Accessories

- Sensor: 1 piece
- Battery: 2 pieces
- Lanyard: 1 piece

9. Safety Information

- Do not use the device near water or in a damp environment.
- Do not use the device near magnetic fields or strong electromagnetic fields.
- Do not use the device near medical equipment.

10. Conclusion

- Regular maintenance and proper care are necessary to ensure the device functions properly.
- Contact customer support if you are unsure about any of the device's functions or if it is not functioning properly.

Appendix

- Guidelines for the use of the pulse oximeter in various environments.
- Instructions for storing and transporting the device.

Additional Information

- The Pulse Oximeter UP-100CN is a non-invasive device that measures oxygen saturation and pulse rate using a sensor placed on the user's finger. It is suitable for adult users and is commonly used in hospitals and homes.
- It is important to follow the manufacturer's instructions for use to ensure accurate and safe operation.

References

- American National Standards Institute (ANSI) standards.
- International Electrotechnical Commission (IEC) standards.
- National Fire Protection Association (NFPA) standards.

Note: This information is for educational purposes only and should not be used as a substitute for professional medical advice.