



 Light & Compact Design

 Quick Measurement

 Easy Operation & Carry

 Automatic Power Off

 Low Power Usage

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Book Descriptions:

contec oximeter manual



Dear Users, thank you very much for purchasing our product. This Manual is written and compiled in accordance with the council directive IEC 60601 IEC 60601111 and. ISO 80601261 for medical devices and harmonized standards. In case of modifications and software upgrades, The Manual describes, in accordance with the Pulse Oximeter's features and requirements, main structure, Refer to the respective Please read the Manual very carefully before using this device. These instructions describe the operating The manufacturer is NOT responsible for the safety, reliability and performance issues Owing to the forthcoming renovation, the specific products you received may not be totally in accordance with the We would sincerely regret for that. The device is a medical device, and it can be used repeatedly. Notice It includes fluorescent lamp, dual ruby light, In this case, the measurement will be more Notice. The product is not suitable for use in continuous supervision for patients. The problem of overrating would emerge when the patient is suffering from toxicosis which caused by It is recommended that the device should be inspected at least once a Users are not permitted to maintain the device by themselves. Only the accessory that is Refer to User Manual in When it needs cleaning, please wipe its surface with medical Kg. If you are unable to achieve stable readings, discontinue use. Warning The lanyard is made of insensitive Do not wrap the lanyard around neck to avoid It is recommended that the sensor should not be applied to the same finger for SpO2 probe the infrared is invisible. Figure 1 Operating principle. Principle of the Oximeter is as below An experience formula of data process is established taking use of Lambert. Beer Law according to Spectrum Absorption Characteristics of Reductive Hemoglobin Hb and Oxyhemoglobin. <http://chromowane.com/userfiles/fed-bhc-supervision-manual.xml>

- **1.0, contec oximeter manual, contec pulse oximeter cms50m manual, contec pulse oximeter cms50e manual, contec pulse oximeter cms50dl manual, contec pulse oximeter cms50na manual, contec pulse oximeter cms50f manual, contec pulse oximeter user manual, contec pulse oximeter cms50n manual.**



Operation principle of the instrument is Photoelectric Oxyhemoglobin. The Pedometer, basing on counting steps by acceleration sensor, adopts the recognition principle of pace waveform. Detailed method use the acceleration sensor to collect user's steps more than three steps. Collect the user's actual step waveform data, if it is SpO_2 1 %. PR 1 bpm. Resolution one step. Storage Environment. Operating Environment. Button. Screen. Battery compartment. Parameter PR bpm. Calorie. Steps. The packed device should be stored in room with no corrosive gases and good ventilation. Temperature. Description. Oxygen saturation. Pulse rate. Step. Unit Calorie. Step. Figure 6. Figure 7. Open the battery compartment cover on the back of the device, shown as Figure 5. Install the two "AAA" Alkali batteries, pay attention to the polarity, shown as Figure 6. Install the battery compartment, shown as Figure 7. Please make sure the batteries polarities are installed properly, to avoid any damage to the device. Please take out the batteries if the device is not used for a long time. Please replace the batteries in time when low battery appears. Please replace two new batteries with same type at the same time. After replacing batteries, perform sync time with APP again. Notice. Disposal of scrap batteries should follow local regulations about environment. Trouble. Analysis of cause. Solution. The SpO_2 or. Pulse Rate can. The SpO_2 or. Pulse Rate are. The device can. The Data can not be. Symbol. Meaning. Figure 8 Synchronous time interface. The pulse oxygen saturation%. PR bpm. Pulse rate bpm. Low voltage. In "Synchronous Time." interface, Bluetooth will be turned on automatically. Notice. Before each measurement, make sure the device has been performed sync time, to insure accurate time for Time.", otherwise it will not store measurement results. The first method. Don't perform sync time, press the button, then the device will enter to "Steps" interface from "Synchronous. Time." interface. The second method. <http://www.bajda.bielsko.pl/userfiles/fed-capital-markets-manual.xml>



Don't perform sync time, wait for several minutes, then the device will enter to "Steps" interface from The third method. Perform sync time, connect to power, then the device will turn on automatically, when it enters to "Synchronous. Time." interface, connect it with App, then it will automatically adjust time. Notice Only one result is stored from In "Steps" interface, insert the finger to enter to "SpO2" interface. In "SpO2" interface, pull out the finger to enter to "Steps" interface, shown as Figure. In "Steps" interface, Bluetooth will be in "ON" state all the time. Notice. In standby mode, the screen does not display any contents, but the pedometer can work normally. In standby mode, Bluetooth is in "OFF" state. The device can transmit SpO2, pulse rate, Steps and calorie value to phone side by wireless mode. User can add the device by searching it in PC side, as each device has the unique code which is marked in the After measuring, the device will automatically connect to the PC communicated with In "STEPS" interface, Bluetooth is in "ON" state, and it is in "OFF" state in other interfaces. Before uploading steps data, please do sports for 5 minutes at least. The Pedometer can only upload the data measured in the last day on the next day. A. A lanyard. B. Two batteries optional. C. A User Manual. D. A SpO2 package Turn off the device before cleaning. Use medical ethanol to clean and disinfect the device, natural air drying or Avoid any liquid entering to the device. Battery anode. Battery cathode Type BF applied part Display Information. Display Mode. The Pulse Oxygen Saturation SpO2 Pulse Rate PR Pulse Intensity bargraph Calorie OLED display. Steps Time. Year month day hour minute. OLED display. SpO2 parameter. Measurement range. Pulse parameter. Pedometer. Safety classification. Internally powered equipment, type BF applied part. Pulse Intensity. Range. Continuous bargraph display, the higher display indicates the Power supply. Two "AAA" batteries. Dimension and weight. Dimension Weight.

About 52 g including batteries. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions 1 This Any Changes or modifications not expressly approved by the party responsible for compliance could void the Note This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to These limits are designed to provide reasonable protection against harmful interference This equipment generates uses and can radiate radio frequency energy and, if not However, there is no guarantee that interference will not occur in a particular installation. If this equipment does The device has been evaluated to meet general RF exposure requirement. The device can be used in portable PDF Version 1.5. Linearized Yes. Author ls. Creator Tool PScript5.dll Version 5.2.2. Title Microsoft Word User Manual. Creator ls. Producer Acrobat Distiller 10.1.0 Windows. Document ID uuidc4ddd2347e1b42f8879b2710542dbfc8. Instance ID uuid03ecb11e016f40c4b8de05586bc5b6c4. Page Count 3. Dear users, thank you very much for purchasing the Pulse Oximeter. In case of modifications and software upgrades, the The Manual describes, in accordance with the Pulse

Oximeter's features and requirements, mainAs well as the safety procedures to protect both the user andPlease read the User Manual carefully before using this product. The User Manual which describesThe manufacturer is NOT responsibleThe manufacturer'sOwing to the forthcoming renovation, the specific products you received may not be totally inWe would sincerely regret for that. This product is medical device, which can be used repeatedly.It is recommended that the sensor should not beThe device can not be clipped on the edema and tender tissue.The User Manual is published by our company. All rights reserved.Appendix 1.18. Appendix 2.18Instructions for safe operationsPlease stop using theThe users areDO NOT use the oximeter while the patient is being scanned by MRI or CT.



<https://ayurvedia.ch/boss-dr-rhythm-dr-770-owners-manual>

The person who is allergic to rubber can not use this device. Please don't use the device in the course of charging. The device can only be matched with the compatible probe optional . Please don't measure this device with functional tester for the devices related information. The patient is an intended operator. The probe of the device is the applied part. Please don't use multiple wireless devices connected to the product at the same time. Keep the oximeter away from dust, vibration, corrosive substances, explosive materials, highIf the oximeter gets wet, please stop using it immediately. When it is carried from cold environment to warm or humid environment, please do not use itDO NOT operate keys on front panel with sharp materials. High temperature or high pressure steam disinfection of the oximeter is not permitted. Refer to. User Manual in the relative chapter 7.1for instructions of cleaning and disinfection. Do not have the oximeter immersed in liquid. When it needs cleaning, please wipe its surfaceDo not spray any liquid on the device directly. When cleaning the device with water, the temperature should be lower than 60. The fingers which are too thin or too cold may affect the measure accuracy, please clip theThe pulse oximeter can be used to adult or infant. Whether the device is used to adult orThe update period of data is less than 5 seconds, which is changeable according to differentPlease read the measured value when the waveform on screen is equably and steadygoing. This measured value is optimal value. And the waveform at the moment is the standard one. If some abnormal conditions appear on the screen during test process, pull out the finger andThe device has normal life for three years since the first electrified use.

<http://adams-tool.com/images/771xv-manual.pdf>



This device has the function of alarming, users can check on this function according to chapter

The device has the function of limits alarming, when the measured data is beyond the highest

The device has the function of alarming, this function can either be paused, or closed default

The device may not work for all patients. If you are unable to achieve stable reading, Do not contort or drag the connection of the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two

A. This device may not cause harmful interference. B. This device must accept any interference received, including interference that may cause

Any changes or modifications not expressly approved by the party responsible for compliance

Some electronic devices are susceptible to electromagnetic interference sent by this equipment if

Please use this equipment at least 20cm or as far as you can from TV set,

This device is a radio transmitter and receiver. It is designed and manufactured not to exceed limits

The guidelines are based on standards that were

This equipment has been tested and found to comply with the limits for a Class B digital device,

These limits are designed to provide reasonable protection

This equipment generates, uses and can

However, there is no guarantee that

If this equipment does cause harmful

A. Reorient or relocate the receiving antenna.

B. Increase the separation between the equipment and receiver. C. Connect the equipment into an outlet on a circuit different from that to which the receiver is

A minimum separation distance of at least 0.2m between this equipment and all persons shall be

The pulse oxygen saturation is the percentage of HbO₂ in the total Hb in the blood, so called the O₂

It is an important bioparameter for the respiration. A number of diseases

Serious symptoms might bring danger to humans life.

Therefore, prompt

The Pulse Oximeter features in small volume, low

Features. A. Operation of the product is simple and convenient. B.

<http://intrasservices.com/images/7720ulf-manual.pdf>



The product is small in volume, light in weight and convenient in carrying. C. Low power consumption. The Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through the problem of overrating would emerge when the patient is suffering from toxicosis which Storage Environment Operating Environment Principle of the Oximeter is as follows An experience formula of data process is established taking Operation principle of Figure 1 Main performance. A. SpO2 value display. B. Pulse rate value display, bar graph display. C. Pulse waveform display. D. Low voltage indication low voltage indicator appears before working abnormally which is due E. Automatically power off function when the device is under the state of measuring interface F. The display mode can be changed. G. Screen brightness can be changed. H. With pulse rate sound indication. I. With alarm function. J. With SpO2 and pulse rate value record function, the record data can be uploaded to computer. K. It can be connected with an external oximeter probe optional. L. Data can be observed on computers synchronously by PC software. M. With two kinds of data transmission mode data line and bluetooth. A. Measurement of SpO2. B. Measurement of pulse rate. C. Resolution. SpO2 1%, Pulse rate 1bpm. D. Measurement Performance in Weak Filling Condition. E. Resistance to surrounding light. The deviation between the value measured in the condition of manmade light or indoor natural light. G. Optical Sensor. Red light wavelength is 660nm, 6.65mW. Infrared wavelength is 880nm, 6.75mW. H. Adjustable alarm range. I. Bluetooth specifications. USB protocol USB V1.1 V2.0. Operating frequency 2.4GHz ISM band. Modulation GFSK Gaussian Frequency Shift Keying. Transmitting power 4dBm, Class 2. Sensitivity 84dBm at 0.1% BER. Safety features Authentication and encryption. Support Services Bluetooth SPP Figure 2. Front View A. Put the thinner side of the rope through the hole. B.

Put the wider side of the rope through the thinner side which has been put through the hole, then A Squeeze the clamp, put a finger into the rubber hole, then release it. B Press the button on the front panel until the device turns on. C Do not shake the finger and keep the patient in a stable state during the process. D The data can be read directly from the screen in the measuring interface. The right method of laying finger is as Figure 3 or Figure 4. Figure 3 Figure 4. Fingernails and the luminescent tube should be in the same side. If the alarm function is on, the device will provide medium priority alarm signal when probe or. Medium priority indicating that prompt operator response is required. In the measuring interface, you can change the display mode by short pressing the button. A Alarm includes the alarm of measure datas going beyond the limits, the alarm of low power, and B In the measuring interface, if the alarm function is on, during the period of alarming, alarm can In the measuring interface, the display direction can be changed by pressing the button with a short Press the button with a prolonged push 1 second to enter the Settings Menu Interface see Figure The user can setup the following content in the Settings Menu Backlight

Brightness, AlarmPlease note in the Settings MenuFigure 5 Main Menu Interface. A Backlight adjustment. In the main menu interface, click the button to select "Brightness", press the power button and holdB Alarm setting. In the main menu interface, click the power button to select "Alarm", press the power button 1secClick button to change the position of menu selection bar,and press button to set menu item.MoveLO.The alarm low limit cant be beyond the alarm high limit.The SpO2 alarm range is.

<https://totalyoumovement.com/wp-content/plugins/formcraft/file-upload/server/content/files/162857df183e1e---Buy-car-repair-manuals.pdf>

If the alarm function is on,the device will provide mediumpriority alarm signal when theIntermittent alarm will occur and the measure value shows inChoose " on" toFigure 6 Alarm Setting MenuClick the button to select "Pulse Sound", then press button to choose to have the Pulse Sound heartClick button to select "EXIT", then press button to exit the Alarm Settings Menu. C ID settingFigure 7 SpO2 Assistant program. If the users choose to turn on the synchronizing display function on computer, it would probablyData storage setting. This device can record 24 hours data including pulse rate and SpO2 value accurately and upload theFigure 8. Set Wireless stateWhen the data is being transmitted between device and computer,the user cant change the state. F Exit the main menu. Click button to select "EXIT", then Press button to exit the Main Menu.By PC software,the user could upload Realtime measure data and storage data.Here the user shouldThe user cant use the USB data line or bluetooth adapter at the same time.Please dont pull outThere are two kinds of charge method. A Connect the device to computer with data line, then the device should be in charge state. B Connect the device to power supply with power adapter, then the device should be in chargeC When the device is in the state of battery charging, the indication light is on, when the batteryIf the alarm function is on,the device will provide highpriority alarm signal when the battery isHigh priority indicating that immediate operator response is required.A.Please check the device before using, and confirm that it can work normally. B.The finger should be in a proper position see the attached illustration of Figure 3 and Figure 4 forC. The ray between luminescent tube and photoelectric receiving tube must get across subject'sD. The oximeter should not be used at a location or limb tied with arterial canal or blood pressureE. Ensure nothing, such as a plaster, can impede the light passage.

, or else it may result in inaccurateF. Excessive ambient light may affect measurement accuracy. It includes fluorescent lamp, dual rubyG.Intense activity of the subject or extreme electrosurgical interference may also affect the accuracy. H.Testee can not use enamel or other makeup. I. Please clean and disinfect the device after operating according to the User Manual 7.1.A. As the measure is taken on the basis of arteriole pulse, substantial pulsating blood flow ofB. For those with a substantial amount of staining dilution drug such as methylene blue, indigoC. The drugs like dopamine, procaine, prilocaine, lidocaine and butacaine may also be a majorD. The SpO2 value serves as a reference value for judgment of anemic anoxia and toxic anoxia, forUsing medical alcohol to wipe the device for disinfecting, nature dry or clean it with clean soft cloth.A. Please clean and disinfect the device before using according to the User Manual7.1. B. Please recharge the battery when the screen shows. C. Recharge the battery soon after the overdischarge. The device should be recharged every sixIt can extend the battery life following this guidance. D.Users are advised to calibrate the device termly or according to the calibrating program ofA. The packed device can be transported by ordinary conveyance or according to transport contract. The device can not be transported mixed with toxic, harmful, corrosive material. B. The packed device should be stored in room with no corrosive gases and good ventilation.Trouble. Possible Reason. The SpO2 and Pulse. Rate can not beThe SpO2 and Pulse. Rate are notThe device can notThe display is offThe battery can notThe battery is broken. Key of Symbols. Signal. DescriptionThe pulse oxygen saturation%. Pulse rate bpm. Fullvoltage. Close the alarm sound indication. Pause the alarm sound

indication. Open the alarm sound indication. Close the pulse sound indication. Open the Wireless indication.

Open the pulse sound indication Atmospheric pressure limitation. Temperature limitation Information. The Pulse Oxygen Saturation % SpO₂ OLED display. Pulse Rate bpm OLED display. Pulse Intensity bargraph OLED display. SpO₂ Parameter Specification. Measuring range. Accuracy. Average value. Calculate the Average value in every 4 measure value. The deviation between average value and true value does Pulse Parameter Specification. Average pulse rate. Moving calculate the Average pulse rate every 4 The deviation between average value and true value does Safety Type. Interior Battery, BF Type. Continuous bargraph display, the higher display indicate Battery Requirement. Voltage 3.7 rechargeable lithium battery 1 The red wire on the battery denotes anode, the black wire Battery working life. Charge and discharge no less than 500 times. Input Voltage. Output voltage Output power Wavelength 660nm 880nm. Dimensions and Weight. Dimensions Weight. Appendix 1. State. Alarm condition delay. Alarm signal generation delay. Low voltage alarm SpO₂ alarm Pulse rate alarm Probe error alarm Appendix 2. The CMS50EW is intended for use in the electromagnetic environment specified below. The customer of the user of the CMS50EW Emission test. RF emissions Group 1. The CMS50EW uses RF energy only for its internal Class B. The customer or the user of CMS50EW Immunity test. IEC 60601 test level. Electromagnetic environment guidance. Compliance level. Electrostatic Power The CMS50EW is intended for use in the electromagnetic environment specified below. Compliance Electromagnetic environment guidance. Portable and mobile RF communications equipment should Recommended separation distance.

Conducted RF Radiated RF Field strengths from fixed RF transmitters, as determined Interference may occur in the vicinity of equipment Electromagnetic propagation is affected by absorption and reflection To assess the If the measured If abnormal performance is observed, additional measures may be necessary, Recommended separation distances between portable and mobile Recommended separation distances between The CMS50EW is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The Separation distance according to frequency of transmitter Rated maximum NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection PDF Version 1.4. XMP Toolkit 3.1701. Producer Acrobat Distiller 7.0 Windows. Creator Tool PScript5.dll Version 5.2. Creator ZhaoYang. Document ID uuid3f8f09736758460085fd690f025e73ae. Instance ID uuida03b371a616040a6b1db44bf7db1e8aa. Page Count 21. Author ZhaoYang. Major Features Integrated with SpO₂ probe and processing display module Small in volume light in weight and convenient in carrying Operation of the product is simple, low power consumption SpO₂ value display Pulse rate value display, bar graph display Pulse waveform display The display mode can be changed Screen brightness can be changed Low voltage indication low voltage indicator appears before working abnormally which is due to low voltage Automatically power off function when the device is under the state of measuring interface. Safety Type Interior Battery, BF Type Accessories Sell in standard A hanging rope A user manual Physical Identity Dimension 57L 31W 32H mm CONTEC has since developed to distributing over 20 categories of products. We at CONTEC have established an effective, modern scientific manufacturing and management system.

We dedicate our research to producing the most effective technology products and through continuous improvement, strive to establish CONTEC as a worldclass modern enterprise. Please try again later. Please try again. Please try again. In order to navigate out of this carousel please use your heading shortcut key to navigate to the next or previous heading. Register a free business account Not for children under 3 yrs. Please try your search again later. The easy to read 256k color OLED display can be adjusted to be readable either horizontally or vertically. The display shows pulse rate, blood oxygen saturation, pulse waveform, pulse bar graph, and battery level indicator. This is not a medical device and is perfect for sports, aviation and home use. The pulse oximeter can sound an

alarm in the following scenarios when the pulse rate or oxygen saturation drops below a preset level, when the oximeter unit isn't correctly positioned on the finger, when the battery level is low. Comes with software for Windows PC only. To calculate the overall star rating and percentage breakdown by star, we don't use a simple average. Instead, our system considers things like how recent a review is and if the reviewer bought the item on Amazon. It also analyzes reviews to verify trustworthiness. Please try again later. cmish 1.0 out of 5 stars I purchased this for my husband who has multiple lung issues and we need to gauge his oxygen saturation levels constantly throughout the day and night. We thought this would be the perfect answer for nighttime while he sleeps, easy to check without having to fully wake up and get out of bed. Problem is that the reading is too far off accurate to really do us any good so to me that makes it defective, and the seller refused to replace with item that was accurate. We took the trouble to calibrate at the doctor's office to make sure we were giving it a fair test.

As they requested, I sent photos to the seller showing them the difference between a unit that was calibrated and theirs and they still refused to replace it. They have a great lengthy explanation of why they don't replace it but it doesn't change the facts that it's defective and unusable. This is not an expensive item so it just seems ridiculous to me that they would rather have this review for all Amazon customers to see rather than replace it. My experience with issues identified by others 1. Programming the unit I found the unit to be fairly easy to set up and navigate through the menu. The key is to read and follow the directions the first few times you use it. I am not a young computer whizz. 2. Short battery life The first few times I used it the rechargeable battery seemed to take a long time to fully charge and then drained very quickly. Now I just charge it for 12 hours before each nightly use and wake in the morning with plenty of power left. 3. Analyzing results The included analysis software is fantastic for visualizing and summarizing results. But this is the part which took the most time to learn I waited a few weeks before even trying. In fact it went better than I expected I didn't even have to call my son-in-law. It took a few attempts to get the miniCD to fit into my computer DVD slot. But once I got the CD lined up installation of the program was no problem. Running the program was mostly trial and error instructions were not real clear. Sequence is important. Follow this order a Open the program. And each time you start a new Record session you will erase the previous data set. But that doesn't matter because if you have downloaded it, it is saved in your computer. Hope this helps people who may be experiencing problems or are debating whether to purchase. I highly recommend. Device Useless But the SP02 Assistant software included does not run on my Windows 10 computer.

I got an error message when it tried to install the C210x USB to UART Bridge Driver Installer. So I downloaded the Universal C210x USB to UART from Silicon Lab and it installed just fine. Then I tried to reinstall SP02 Assistant again. The Software installed and when it got to C210x USB to UART Bridge Installer, it said Driver already installed. Without the software, the device is totally unusable as cannot download and view recorded data. With time the display faded to the point that the item was unusable. Not a battery issue, is just the display becoming so dim with time that you can't set the device to record. This is an amazing, pro-quality unit. Beautiful, comfortable and more. The included software however, is junk. I highly recommend using the Freeware program SleepyHead instead. The menu button which is the only button on the unit is not intuitive, I also explain how to use that in my tutorial. I am REALLY jazzed about this item and have been wearing it nonstop since I bought it. Thank you Amazon! FEATURES Has the data storage and battery capacity to collect 8 hours or more of minute-by-minute blood oxygen and pulse heart rate data. Equally important, the accompanying software enables the data to be analyzed and printed out for analysis by a physician. Also, the instructions for using the software are overly complex. Expect a do-it-yourself learning process by playing with the menu options. Read what other users say about software alternatives. My tablet device couldn't utilize the included software disc, but it was simple to find, download and install the software online. The thorough reporting options include full,

oximetry and summary reports formatted for A4, that I can easily email to my GP in PDF format. I couldn't be happier, especially with the price! Sorry, we failed to record your vote. Please try again In order to navigate out of this carousel please use your heading shortcut key to navigate to the next or previous heading.

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