

CONTEC CMS50D2

Andon CMS50D2 Pulse Oximeter User Manual

Model: CMS50D2 | Brand: CONTEC

1. INTRODUCTION

The CONTEC CMS50D2 Pulse Oximeter is a non-invasive device designed for measuring the oxygen saturation of arterial hemoglobin (SpO₂) and the pulse rate. This device is intended for spot-checking and continuous monitoring of adult and pediatric patients in home and clinical environments. It provides a quick and accurate assessment of respiratory function.

The concentration of oxygen determines the percentage of hemoglobin in arterial blood that is saturated with oxygen, making it an important parameter for evaluating respiratory function. The device is small, lightweight, and portable, making it convenient for use anywhere.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this device. Improper use may result in inaccurate readings or device damage.

- Do not use the pulse oximeter in an MRI or CT environment.
- Do not use the device in environments with flammable anesthetics.
- The device is not intended for continuous monitoring of patients requiring constant supervision.
- Keep the device away from water and moisture.
- Consult a medical professional for interpretation of readings and before making any medical decisions.

3. PRODUCT FEATURES

- Determines arterial oxygen saturation (SpO₂) and pulse rate (PRbpm).
- Displays SpO₂ value and pulse rate value.
- Low voltage indicator and audible alarm if pulse is above set limit.
- Suitable for individuals with heart failure, chronic obstructive pulmonary diseases, bronchial asthma, and for high-altitude sports (mountaineering, skiing, aviation).
- Adjustable display mode and screen brightness.
- OLED display in blue and yellow with pulse waveform graph.

- Automatic power-off: The device will turn off automatically in 5 seconds if the finger is improperly placed or removed.

4. PACKAGE CONTENTS

The product package typically includes the following items:

- 1 x CONTEC CMS50D2 Pulse Oximeter
- 1 x Lanyard
- 2 x AAA Batteries
- 1 x User Manual

5. SETUP

5.1. Battery Installation

The CMS50D2 Pulse Oximeter requires two AAA batteries for operation. Ensure correct polarity when inserting the batteries.

1. Open the battery compartment cover located on the back of the device.
2. Insert two AAA batteries according to the polarity indicators (+ and -) inside the compartment.
3. Close the battery compartment cover securely.



Figure 1: Front view of the Andon CMS50D2 Pulse Oximeter, showing the OLED display and finger insertion area.

6. OPERATING INSTRUCTIONS

Follow these steps to obtain accurate readings:

1. Ensure batteries are correctly installed.
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 the nail surface is facing upwards towards the display.
4. Release the clamp, allowing the oximeter to securely hold your finger.
5. Press the power button on the top of the device to turn it on.
6. Keep your hand still during the measurement. Do not shake your finger.
7. The readings for SpO2 and pulse rate will appear on the display within a few seconds.
8. To change the display orientation or brightness, briefly press the power button while the device is on.
9. The device will automatically power off after 5 seconds of inactivity or if the finger is removed.



Figure 2: The pulse oximeter correctly placed on a finger, displaying SpO2 and pulse rate readings.

7. DISPLAY INFORMATION

The OLED display provides the following information:

- **SpO2:** Peripheral Oxygen Saturation (percentage). This indicates the percentage of hemoglobin in your blood that is saturated with oxygen. Normal values typically range from 95% to 100%.
- **PRbpm:** Pulse Rate (beats per minute). This is the number of times your heart beats per minute. Normal adult resting heart rate ranges from 60 to 100 bpm.
- **Pulse Bar Graph:** A vertical bar graph indicating the strength of the pulse.
- **Plethysmograph (Waveform):** A graphical representation of the pulse, showing blood flow through the finger.
- **Battery Indicator:** Shows the remaining battery life.

8. MAINTENANCE AND CARE

8.1. Cleaning

Clean the surface of the oximeter before and after each use. Use a soft cloth dampened with medical alcohol (70% ethanol or isopropanol) to wipe the surface. Do not immerse the device in liquid.

8.2. Storage

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

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display after power-on	Batteries are dead or incorrectly installed.	Replace batteries or re-install them correctly, observing polarity.
Inaccurate readings	Finger not inserted properly; patient movement; strong ambient light; nail polish or artificial nails.	Re-insert finger correctly; remain still; shield from strong light; remove nail polish/artificial nails.
"Finger Out" or "Error" message	Finger not detected or poor signal quality.	Ensure finger is fully inserted and still. Try a different finger.
Display is dim	Low battery or brightness setting.	Replace batteries. Adjust brightness by pressing the power button.

10. SPECIFICATIONS

- **Model Name:** CMS50D2
- **Manufacturer:** Andon (CONTEC)
- **Dimensions:** 7.62 x 2.54 x 5.08 cm
- **Weight:** 25 g
- **Power Source:** 2 x AAA batteries (included)
- **Battery Life:** Approximately 50 hours of continuous operation
- **Measurement Range (SpO2):** 70-100%
- **Display Type:** OLED, blue and yellow
- **Automatic Shut-off:** Yes, after 5 seconds of inactivity
- **Country of Origin:** Switzerland

11. WARRANTY AND SUPPORT

Specific warranty details for the CONTEC CMS50D2 Pulse Oximeter may vary depending on the region and retailer. Please refer to the warranty card included with your product or contact your point of purchase for detailed warranty information.

For technical support or inquiries, please contact the manufacturer, CONTEC, or the authorized seller from whom you purchased the device. Keep your purchase receipt as proof of purchase.

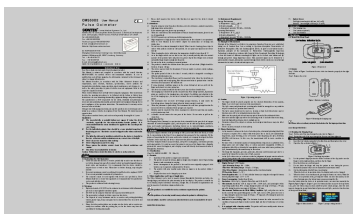


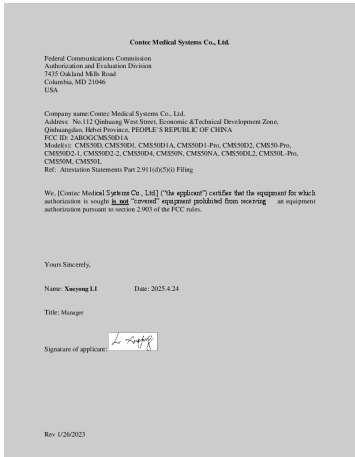
	Contec CMS50D1 Fingertip Pulse Oximeter User Manual and Specifications Comprehensive user guide for the Contec CMS50D1 fingertip pulse oximeter, detailing its features, operation, maintenance, troubleshooting, and technical specifications for SpO2 and pulse rate monitoring.
	Contec CMS50D1 Pulse Oximeter User Manual Comprehensive user manual for the Contec CMS50D1 Pulse Oximeter, detailing its features, specifications, safe operation, installation, troubleshooting, and maintenance for accurate SpO2 and pulse rate monitoring.
	Contec CMS60D Pulse Oximeter User Manual: SpO2 and Pulse Rate Monitoring This user manual provides comprehensive instructions for the Contec CMS60D Pulse Oximeter, covering its features, operation, installation, maintenance, troubleshooting, and technical specifications for accurate SpO2 and pulse rate measurements.
	Contec CMS60D1 Pulse Oximeter User Manual User manual for the Contec CMS60D1 Pulse Oximeter, detailing its features, operation, specifications, and safety precautions for measuring pulse oxygen saturation and pulse rate.
	Contec CMS50S+ Pulse Oximeter User Manual User manual for the Contec CMS50S+ Pulse Oximeter, detailing its features, operation, maintenance, and specifications for measuring SpO2 and pulse rate.
	Contec CMS50D-BT Pulse Oximeter User Manual User manual for the Contec CMS50D-BT Pulse Oximeter, detailing its features, operation, safety precautions, and technical specifications. Includes information on SpO2 and pulse rate measurement, pedometer functions, and data management.

Documents - CONTEC – CMS50D2

[\[pdf\]](#) User Manual Instructions Specifications

Microsoft Word CMS50D2 User Manual CE graph P u l s e O x i m t r Bol Instructions to Dear Users thank you very much for purchasing our product This is written and compiled in accordance with the council original media bol BPD8M82g3POk council The Pulse Oximeter can be used measure human Hemoglobin Saturation pulse rate through finger indicate intensity by bar display suitable use family hospital Ordinary sickroom Oxygen Bar social medical organizations also of saturation oxygen CM S5 0 D2 User Manual Pulse Oximeter Contec Medical Systems Co., Ltd. Address:No.112 Qinhuang West ... for all EQUIPMENT and SYSTEMS Guidance and manufacture s declaration electromagnetic emission The **CMS50D2** Pulse Oximeter is tended for use in the electromagnetic environment specified below. The cus... lang:en score:35 filesize: 316.29 K page_count: 2 document date: 2020-11-19



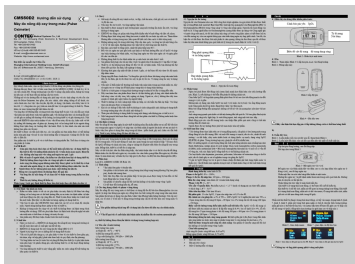


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APPLICANT S LETTERHEAD Sid Sanders Attestation Statements 2 911 d 5 i Contec Medical Systems Co Ltd CMS50D1A Pulse oximeter 2ABOGCMS50D1A cms50d1a

Contec Medical Systems Co., Ltd. Federal Communications Commission Authorization and Evaluation Divi ... PEOPLE S REPUBLIC OF CHINA FCC ID: 2ABOGCMS50D1A Model s : CMS50D, CMS50D1, CMS50D1A, CMS50D1-Pro, **CMS50D2**, CMS50-Pro, **CMS50D2-1**, **CMS50D2-2**, CMS50D4, CMS50N, CMS50NA, CMS50DL2, CMS50L-Pro, CMS50M, CM...

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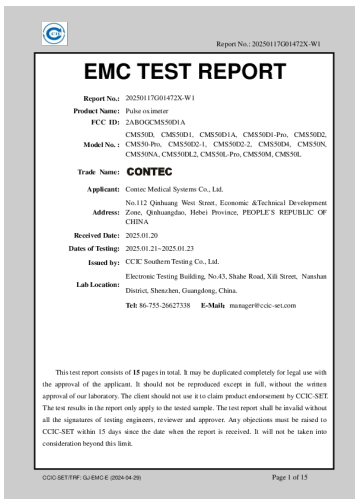


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CMS50D2 Hng dn s dng My o nng oxy trong mu Pulse Oximeter Contec Medical Systems Co., Ltd a ch: 112 Qinhuang West, Economic Technical Development Zone, Qinhuangdao, Hebei, China Tel: 86-335-8015430 Fax: 86-335-8015588 H tr k thut: 86-335-8015431 E-mail: cms contecmed.com.cn Website: http://ww...

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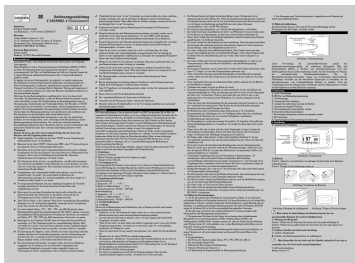


[pdf] Test Report

47 CFR PART 24 SUBPART E Zhang Weimin 15B Test Report Contec Medical Systems Co Ltd CMS50D1A Pulse oximeter 2ABOGCMS50D1A cms50d1a

Report No.: 20250117G01472X-W1 EMC TEST REPORT Report No.: 20250117G01472X-W1 Product Name: Pulse oximeter FCC ID: 2ABOGCMS50D1A CMS50D, CMS50D1, CMS50D1A, CMS50D1-Pro, **CMS50D2**, Model No. : CMS50-Pro, **CMS50D2-1**, **CMS50D2-2**, CMS50D4, CMS50N, CMS50NA, CMS50DL2, CMS50L-Pro, CMS50M, CMS50L Trade Name: Ap...

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DE Bedienungsanleitung **CMS50D2-1** Pulsoximeter Importeur: Europapa Handels GmbH Am Bahndamm 5, 41334 Nettetal, GERMANY Hersteller: Contec Medical Systems Co., Ltd. No.112 Qinhuang West Street, Economic Technical Development Zone, Qinhuangdao, Hebei Province, PEOPLE S REPUBLIC OF CHINA European R...

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CMS50D Pulzní Oxymetr



Uživatelský návod

Datum poslední aktualizace: 2.2.2021

Výrobce: CONTECTTM, Contec Medical Systems Co., Ltd.
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CMS2/MS2/1SD/3SD/ESV1.3 1-401.01.5/75.2019.09

POKYNY PRO UŽIVATELE

Vážený uživateli, děkujeme vám za zakoupení tohoto produktu. Tato příručka je nezávislá a sestavena v souladu se směrnicí MDD 93/42/EHS pro zdravotnické prostředky a v další související normě. Příručka je napádkem pro tento pulzní oxymetr. V případě úprav a změn softwaru mohou být informace obsažené v tomto dokumentu, ať už byly bez předchozího upozornění. Příručka poskytuje v souladu s vlastnostmi počítačové pulzního oxymetru: hlavní strukturu, funkce, specifikace, způsob metody pro připevnění, instalaci, použití, provoz, opravy, udržbu, skladování apod., jakož i bezpečnostní opatření k ochraně uživatele a vybavení. Podrobnosti najdete v přílohách kapitol.

Před použitím tohoto zařízení si prosím pečlivě přečtete tento manuál a uchováte jej pro případné další použití.

Uvedené pokyny zohledňují bezpečnostní postupy. Nedodržení těchto pokynů může způsobit zranění nebo poškození zařízení nebo zranění osob. Výrobce NEJEDNODUŠNĚ
za problémy s bezpečností, spolehlivostí a výkonem a za jakékoli abnormality monitorování,
zranění osob a poškození zařízení v důsledku nedodržení návodů k obsluze, užívání. Záruční
servis výrobce se na tyto závady nevztahuje. Tento produkt je zdravotnický prostředek a lze jej
používat opakovaně. Životnost je 3 roky.

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přečtete tento manuál a uschovejte jej pro případné další použití easystore manualy ihealth

CMS50D Pulzní Oxymetr Uživatelský návod Datum poslední aktualizace: 2.2.2021

Výrobce: CONTECTTM, Contec Medical Systems Co., Ltd. Adresa: Qinhuang West

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