CONTEC CMS60D-Vet

CONTEC CMS60D-Vet Veterinary Pulse Oximeter User Manual

PRODUCT OVERVIEW

The CONTEC CMS60D-Vet is a handheld pulse oximeter specifically designed for veterinary use. It measures pulse oxygen saturation (SpO2) and pulse rate in animals, typically through the tongue or ear. This device features a 1.8-inch color OLED display for clear readings and supports real-time data storage and transmission to a PC via dedicated software. It is intended for use in settings such as pet hospitals or home monitoring, with optimal results obtained when the animal is still. Please note, this device is for veterinary and sports/aviation use only and is not a medical device for human use.

IMPORTANT SAFETY INFORMATION

- **General Safety:** Read all instructions before use. Keep the device away from water and extreme temperatures.
- **Animal Use:** This device is designed for animals. Ensure the animal is calm and still during measurement for accurate readings.
- **Probe Placement:** Apply the probe gently to the animal's tongue or ear. Avoid excessive pressure.
- **Battery Safety:** Use only specified batteries. Do not mix old and new batteries. Dispose of batteries properly.
- **Cleaning:** Refer to the maintenance section for proper cleaning procedures.
- **Not for Human Use:** This device is not intended for human medical diagnosis or treatment.

PACKAGE CONTENTS

Verify that all items are present in your package:

- CONTEC CMS60D-Vet Main Unit
- Veterinary SpO2 Probe (Tongue/Ear Clip Sensor)
- USB Data Cable
- PC Software CD (or download link)

- User Manual
- 2 x AA Batteries (may be included or sold separately)

Image: The CONTEC CMS60D-Vet handheld pulse oximeter, its veterinary sensor, USB cable, and product packaging, alongside a dog.

DEVICE COMPONENTS

Familiarize yourself with the main parts of your CONTEC CMS60D-Vet pulse oximeter:

1. **Main Unit:** The handheld device housing the display and control buttons.
2. **OLED Display:** 1.8-inch color screen showing SpO2, pulse rate, and plethysmograph waveform.
3. **Power Button:** Used to turn the device on and off.
4. **Menu/Navigation Buttons:** For accessing and navigating device settings and functions.
5. **SpO2 Probe Port:** Connection point for the veterinary SpO2 sensor.
6. **Veterinary SpO2 Probe:** A specialized clip sensor designed for attachment to an animal's tongue or ear.
7. **USB Port:** For connecting to a PC for data transfer.

Image: The CONTEC CMS60D-Vet main unit with its display showing SpO2 and pulse rate, connected to the veterinary sensor. A dog is shown in the background with the sensor attached to its tongue.

Image: A close-up view of the veterinary ear/tongue clip sensor, showing its design for attachment to an animal.

Setup Instructions

1. Battery Installation

The device requires two AA batteries. To install:

1. Locate the battery compartment on the back of the device.
2. Using a 3.0mm Phillips screwdriver, carefully open the nut to remove the battery cover.
3. Insert two AA batteries, ensuring correct polarity (+/-).
4. Replace the battery cover and secure it with the nut.

2. Connecting the SpO2 Probe

Connect the veterinary SpO2 probe cable to the designated port on the top or side of the main unit. Ensure the connection is firm and secure.

Image: The CONTEC CMS60D-Vet main unit with the veterinary SpO2 sensor cable securely connected to its port.

Operating Instructions

1. Powering On/Off

Press the **Power** button to turn the device on. To turn off, press and hold the **Power** button for a few seconds.

2. Performing a Measurement

1. Ensure the device is powered on and the SpO2 probe is connected.
2. Gently attach the veterinary SpO2 probe to a suitable measurement site on the animal, such as the tongue or ear flap. Ensure good contact and avoid areas with thick fur or dark pigmentation if possible, as these can affect accuracy.
3. Keep the animal as still as possible during the measurement. Movement can lead to inaccurate readings.
4. Observe the 1.8-inch OLED display. It will show the pulse oxygen saturation (SpO2) percentage, pulse rate (PRbpm), and a plethysmograph waveform.

Image: A close-up of the CONTEC CMS60D-Vet's OLED display, showing numerical values for SpO2 and pulse rate, along with a waveform graph.

3. Menu Navigation

Use the **Menu** button and arrow keys to navigate through the device's settings. Options may include adjusting display brightness, alarm limits, or reviewing stored data.

4. Data Storage and PC Software

The device is capable of real-time data storage. To transfer data to a computer:

1. Install the provided PC software on your computer.
2. Connect the oximeter to your PC using the supplied USB data cable.
3. Follow the instructions within the PC software to download and view the stored data.

Image: A side view of the CONTEC CMS60D-Vet handheld unit, highlighting the USB port with its protective cover open.

MAINTENANCE AND CARE

1. Cleaning the Device and Probe

Regular cleaning helps maintain accuracy and extends the life of your oximeter:

- Wipe the main unit and the SpO2 probe with a soft cloth dampened with a mild disinfectant (e.g., 70% isopropyl alcohol).
- Do not immerse the device or probe in any liquid.
- Ensure the device and probe are completely dry before storage or next use.

2. Storage

When not in use, store the CONTEC CMS60D-Vet in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, remove the batteries to prevent leakage.

TROUBLESHOOTING GUIDE

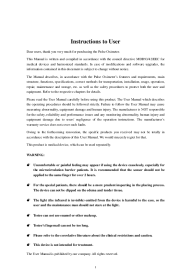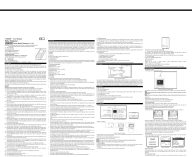| Problem	Possible Cause	Solution
Inconsistent or inaccurate readings	Animal movement; improper probe placement; thick fur or dark pigmentation at site; low battery.	Ensure the animal is still. Reposition the probe to a less pigmented area (e.g., inner ear flap, tongue). Check battery level and replace if necessary.
Sensor LED not lighting up	Faulty sensor connection; damaged sensor; device malfunction.	Ensure the sensor is securely connected. Try reconnecting. If the issue persists, the sensor may be damaged and require replacement. Contact support.
Device does not power on	Dead or incorrectly installed batteries.	Check battery polarity. Replace with fresh AA batteries.
Excessive battery consumption	Device left on; frequent use.	Ensure the device is powered off after each use. Consider using rechargeable AA batteries.

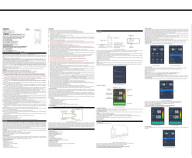## SPECIFICATIONS

Feature	Detail
Model	CMS60D-Vet
Display Type	1.8" Color OLED
Measurement Parameters	SpO2, Pulse Rate (PRbpm)
Target Audience	Cats, Dogs, Pets, Animals (Veterinary Use)
Power Supply	2 x AA Batteries
Data Storage	Real-time data storage, PC software for transmission
Item Weight	11.7 ounces (approx. 331 grams)
Dimensions (L x W x H)	9.37 x 5.51 x 2.68 inches (approx. 23.8 x 14 x 6.8 cm)
Date First Available	February 22, 2017

Related Documents - CMS60D-Vet

	[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.
	[Pulse Oximeter User Manual - Contec](#) Comprehensive user manual for the Contec Pulse Oximeter, detailing its features, operation, safety precautions, and maintenance. Learn how to use the device for accurate SpO2 and pulse rate measurements.
	[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 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 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.

Documents - CONTEC – CMS60D-Vet

[GIMA OXY-50 Vet Pulse Oximeter - Product Information and Packaging](#)

Details on the GIMA OXY-50 Vet Pulse Oximeter, including product code, software compatibility, labeling requirements, and packaging specifications. Information covers device labeling, carton box contents, and probe packaging.

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