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Vitalograph copd-6 BT

Vitalograph copd-6 Screener BT (Bluetooth) User Manual

Model: copd-6 BT (40353)

INTRODUCTION

The Vitalograph copd-6 Screener is an electronic COPD screener designed to determine the obstruction index and the FEV1/FEV6 ratio, thereby specifically and reliably detecting potential COPD diseases. This screening eliminates the need for time-consuming and costly full spirometry examinations in a general practitioner's office. The use of Vitalograph safety mouthpieces ensures safe use by multiple patients (e.g., in hospitals or medical practices) without the risk of cross-infection.

This manual provides essential information for the proper setup, operation, and maintenance of your Vitalograph copd-6 Screener BT device.

KEY FEATURES

- Rapid and precise respiratory scanner for early detection of obstructive lung diseases such as COPD and asthma, based on the obstruction index (FEV1 as a percentage of the theoretical value).
- Large, easy-to-read display.
- Measures all relevant COPD parameters (FEV1, FEV6, FEV1/FEV6, % target). COPD classification (level I-IV) according to GOLD guidelines.
- Calculates estimated lung age.
- Enables early medical intervention for improved clinical outcomes.
- Bluetooth interface for connection to the included Vitalograph Reports Windows software to create clear PDF reports of measurement results.

PRODUCT OVERVIEW



Figure 1: Angled front view of the Vitalograph copd-6 Screener BT, highlighting its compact design, display screen, control buttons, and the opening for the mouthpiece. The Bluetooth logo is visible on the top left.



Figure 2: Straight front view of the Vitalograph copd-6 Screener BT, providing a clear look at the user interface, including the display area, navigation buttons, and the air intake grill. The device's brand name "Vitalograph" is at the bottom.



Figure 3: Side profile view of the Vitalograph copd-6 Screener BT, illustrating its ergonomic shape and slim design. This view emphasizes the device's portability and ease of handling.



Figure 4: Angled view of the Vitalograph copd-6 Screener BT with a disposable mouthpiece securely attached. This demonstrates how the device is prepared for a measurement, highlighting the importance of hygienic accessories.



Figure 5: Side view of the Vitalograph copd-6 Screener BT with the disposable mouthpiece attached. This perspective clearly shows the full assembly, ready for use, and the extended length with the mouthpiece in place.

SETUP

1. Unpacking and Inspection

Carefully remove the Vitalograph copd-6 Screener BT from its packaging. Inspect the device for any visible damage. If any damage is found, do not use the device and contact your supplier immediately.

2. Battery Installation

The device requires 2 AAA batteries (included). Locate the battery compartment on the back of the device. Open the compartment cover, insert the batteries according to the polarity indicators (+/-), and close the cover securely.

3. Initial Power On and Setup

Press the power button to turn on the device. The display will illuminate. Follow any on-screen prompts for initial setup, which may include setting the date, time, and language. Refer to the full user manual for detailed instructions on these

settings.

4. Connecting via Bluetooth (Optional)

To connect the device to the Vitalograph Reports Windows software:

1. Ensure Bluetooth is enabled on your computer.
2. Open the Vitalograph Reports software.
3. Follow the software's instructions to pair with the copd-6 Screener BT. The device's Bluetooth indicator will confirm a successful connection.

OPERATING INSTRUCTIONS

1. Preparing for a Measurement

1. Ensure the device is clean and a new, hygienic Vitalograph safety mouthpiece is attached.
2. Instruct the patient to sit upright and comfortably.
3. Ensure the patient understands the breathing maneuver: a full, deep inhalation followed by a fast, forceful, and complete exhalation into the mouthpiece.

2. Performing a Measurement

1. Turn on the device.
2. Select the appropriate patient profile or start a new measurement.
3. Instruct the patient to place their lips tightly around the mouthpiece, ensuring no air leaks.
4. When prompted by the device (or when ready), instruct the patient to take a maximal inspiration and then exhale as hard and fast as possible into the device until their lungs are empty.
5. The device will display the measurement results (FEV1, FEV6, FEV1/FEV6 ratio, etc.) on the screen.
6. Repeat the measurement as necessary, typically three times, to ensure consistent and reliable readings.

3. Interpreting Results

The device provides an obstruction index and classifies COPD levels (I-IV) according to GOLD guidelines. Consult a medical professional for accurate interpretation of results and diagnosis.

4. Data Transfer

If connected via Bluetooth, measurement data can be automatically or manually transferred to the Vitalograph Reports software for record-keeping, analysis, and generating PDF reports.

MAINTENANCE

1. Cleaning the Device

Regular cleaning is essential for hygiene and device longevity. Wipe the exterior of the device with a soft cloth dampened with a mild disinfectant solution. Do not immerse the device in liquid. Ensure the mouthpiece opening is free of debris.

2. Mouthpiece Replacement

Always use new, disposable Vitalograph safety mouthpieces for each patient to prevent cross-contamination. Dispose of used mouthpieces according to local medical waste regulations.

3. Battery Replacement

Replace batteries when the low battery indicator appears on the display. Use only alkaline AAA batteries. Dispose of old batteries responsibly.

4. Storage

Store the device in a clean, dry place at room temperature, away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case when not in use.

TROUBLESHOOTING

- **Device does not power on:**

- Check if batteries are correctly inserted and have sufficient charge. Replace if necessary.
- Ensure the power button is pressed firmly.

- **Inaccurate readings:**

- Ensure a new, clean mouthpiece is used.
- Verify the patient is performing the breathing maneuver correctly (full inhalation, forceful and complete exhalation).
- Check for air leaks around the mouthpiece.
- The device may require calibration. Refer to the full user manual or contact support.

- **Bluetooth connection issues:**

- Ensure Bluetooth is enabled on both the device and the computer.
- Make sure the device is within range of the computer.
- Restart both the device and the computer.
- Re-pair the device through the Vitalograph Reports software.

- **Display not working:**

- Check battery level.
- If the issue persists after battery replacement, contact customer support.

SPECIFICATIONS

Attribute	Detail
Model Name	copd-6 BT
Model Number	40353
Brand	Vitalograph
Dimensions (L x W x H)	14.5 x 9 x 16.5 cm
Weight	140 grams
Power Source	2 x AAA Alkaline Batteries (included)
Connectivity	Bluetooth
International Article Code (EAN)	05099169403536

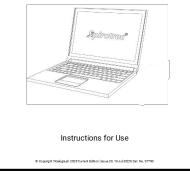
WARRANTY AND SUPPORT

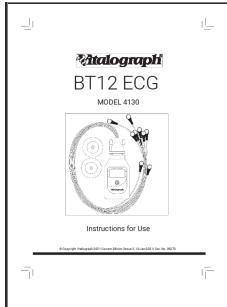
For information regarding product warranty, please refer to the documentation included with your Vitalograph copd-6 Screener BT or visit the official Vitalograph website. Spare parts availability information is not directly provided in the product details; please contact Vitalograph customer support for inquiries regarding spare parts or service. For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Vitalograph customer service through their official channels. Contact details can typically be found on the manufacturer's website or in the product packaging.

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This manual is for informational purposes only. Always consult a healthcare professional for medical advice.

Related Documents - copd-6 BT

	<p><u>Vitalograph COPD-6 Model 4000: Instructions for Use</u></p> <p>User manual and instructions for the Vitalograph COPD-6 Model 4000 respiratory monitor. Learn how to perform lung function tests, screen for COPD, and understand device features, setup, and technical specifications for optimal patient care.</p>
	<p><u>Vitalograph VitaloROV/ROV+ Model 9100: Instructions for Use</u></p> <p>Comprehensive instructions for use for the Vitalograph VitaloROV/ROV+ Model 9100 pulmonary function testing device. Covers setup, operation, maintenance, safety, technical specifications, and regulatory information.</p>
	<p><u>Vitalograph Peak Flow Meter Model 4300: Instructions for Use and Specifications</u></p> <p>Comprehensive instructions, specifications, and safety information for the Vitalograph Peak Flow Meter Model 4300, a device for measuring peak expiratory flow, used for asthma management. Includes usage, cleaning, warnings, and technical details.</p>
	<p><u>Vitalograph Spirotrac 6 Software: Instructions for Use</u></p> <p>This document provides comprehensive instructions for the Vitalograph Spirotrac 6 Model 7000, a PC-based software application designed for professional healthcare environments. It facilitates the acquisition, viewing, storage, and printing of pulmonary function test data from compatible Vitalograph or third-party devices, supporting spirometry, ECG, and respiratory muscle strength testing.</p>
	<p><u>Vitalograph Peak Flow Meter Model 4300: Instructions for Use and Technical Specifications</u></p> <p>User guide and technical specifications for the Vitalograph Peak Flow Meter Model 4300, detailing its use for measuring peak expiratory flow in asthma management, along with safety, warranty, and compliance information.</p>



[Vitalograph BT12 ECG Model 4130: Instructions for Use](#)

Comprehensive instructions for the Vitalograph BT12 ECG device (Model 4130), covering setup, operation, troubleshooting, technical specifications, and safety guidelines for medical professionals.