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VEROVAL Veroval duo control

Veroval duo control Arm Blood Pressure Monitor

Model: Veroval duo control (5226) | Brand: VEROVAL

1. INTRODUCTION

The Veroval® duo control arm blood pressure monitor is designed for individuals who monitor their blood pressure daily, including those with cardiovascular conditions such as arrhythmias. This device ensures precise blood pressure measurement through its innovative DUO SENSOR technology.

The DUO SENSOR technology uniquely combines two professional measurement methods: the oscillometric method, which detects pulse waves, and the Korotkoff method, which uses a microphone to record heart sounds. This dual approach provides reliable measurements, even for patients experiencing heart rhythm disorders, a capability often relied upon by medical professionals.



Image 1.1: The Veroval duo control device, showing its large digital display with blood pressure and pulse readings.

2. SAFETY INFORMATION

Important: Please read these instructions for use carefully and completely before operating the device. Failure to do so may result in inaccurate readings or device malfunction.

- This device is a medical product. Consult your doctor or pharmacist for advice, especially if you have pre-existing medical conditions or are on medication.
- Do not use the device on infants, children, or individuals unable to understand the instructions.
- Avoid taking measurements in environments with strong electromagnetic fields (e.g., near mobile phones, microwave ovens).
- Do not disassemble or attempt to repair the device yourself. Contact authorized service personnel for any repairs.
- Store the device and its components out of reach of children and pets.
- Use only the original cuff provided with the device.
- Ensure the cuff is correctly positioned on the arm as indicated in the operating instructions.

3. PACKAGE CONTENTS

Your Veroval duo control blood pressure monitor package includes the following items:

- Veroval duo control Blood Pressure Monitor unit
- Secure-Fit Arm Cuff (Size M, 22-32 cm circumference)
- Storage Bag/Case
- 4 x AAA 1.5V Batteries
- USB Cable (for data transfer)
- Instruction Manual (this document)



Image 3.1: The Veroval duo control blood pressure monitor shown within its product packaging, highlighting key features.

4. PRODUCT FEATURES

The Veroval duo control blood pressure monitor is equipped with advanced features for accurate and convenient blood pressure monitoring:

- **DUO SENSOR Technology:** Combines oscillometric and Korotkoff methods for highly reliable measurements, even in the presence of cardiac arrhythmias.
- **Comfort Air Technology:** Ensures a comfortable and gentle measurement process.
- **Secure-Fit Cuff:** Designed for easy and correct positioning on the arm, with an integrated cuff position control indicator.
- **Rest Indicator:** Guides the user to ensure they are in a relaxed state before measurement, contributing to accurate readings.
- **Large Backlit LCD Display:** Provides clear visibility of readings and indicators.
- **Memory Function:** Stores 200 measurements (100 for each of two users), including date and time.
- **Bluetooth Connectivity:** Seamlessly transfer data to the Veroval medi.connect app for long-term analysis and management.
- **Data Analysis:** The Veroval medi.connect software/app offers color-coded classification of values, displays averages of all stored values, and morning/evening blood pressure averages for the last 7 days.
- **Clinically Validated:** Measurement quality proven by quality labels from the European Society of Hypertension (ESH), German Hypertension League (DHL), and British Hypertension Society (BHS).

5. SETUP

5.1. Battery Installation

1. Open the battery compartment cover on the back of the device.
2. Insert the 4 AAA 1.5V batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
3. Close the battery compartment cover securely.

5.2. Attaching the Arm Cuff

1. Locate the air tube connector on the cuff.
2. Insert the air tube connector firmly into the air jack on the side of the main unit.



Image 5.1: The Veroval duo control unit alongside its Secure-Fit arm cuff, demonstrating the separate components.

5.3. Initial Settings (Date and Time)

Upon first use or after battery replacement, the device may prompt you to set the date and time. Refer to the on-screen prompts and use the device buttons to adjust these settings for accurate record-keeping.

6. OPERATING INSTRUCTIONS

6.1. Preparing for Measurement

- Rest for at least 5 minutes before taking a measurement.
- Sit comfortably with your back supported and feet flat on the floor.
- Place your arm on a table so that the cuff is at heart level.
- Avoid talking or moving during the measurement.

6.2. Applying the Cuff

1. Slide the cuff onto your bare upper arm, ensuring the air tube points towards your forearm.
2. The bottom edge of the cuff should be approximately 2-3 cm above your elbow joint.
3. Wrap the cuff snugly around your arm. The Secure-Fit design and on-screen cuff position control indicator will help ensure correct placement.
4. The rest indicator on the display will guide you to ensure you are sufficiently relaxed before the measurement begins.

6.3. Taking a Measurement

1. Select your user profile (User 1 or User 2) if applicable.
2. Press the START/STOP button to begin the measurement. The cuff will inflate automatically.
3. Remain still and quiet until the measurement is complete and the cuff deflates.
4. Your systolic (SYS), diastolic (DIA) blood pressure, and pulse (PUL) readings will be displayed on the screen.
5. The device will also indicate if an irregular heartbeat (arrhythmia) was detected during the measurement.
6. The measurement will automatically be stored in the selected user's memory.

6.4. Recalling Measurements

Press the "Memory" button (often indicated by an 'M' or a book icon) to scroll through previously stored measurements for the active user. You can view individual readings, as well as morning and evening averages.

7. DATA MANAGEMENT WITH VEROVAL MEDI.CONNECT

The Veroval duo control blood pressure monitor offers seamless data management through the Veroval medi.connect application, available for Android and iOS devices, including tablets.

7.1. Downloading the App

Download the "Veroval medi.connect" app from your device's app store (Google Play Store for Android or Apple App Store for iOS).

7.2. Connecting via Bluetooth

1. Ensure Bluetooth is enabled on your smartphone or tablet.
2. Open the Veroval medi.connect app and follow the on-screen instructions to pair your blood pressure monitor.
3. Once paired, your stored measurements will automatically synchronize with the app.

7.3. Analyzing Your Data

The app provides comprehensive tools for analyzing your blood pressure trends:

- **Color-Coded Classification:** Readings are categorized using a color system for easy interpretation of blood pressure levels.
- **Average Values:** View averages of all your stored measurements.
- **Morning and Evening Averages:** Track your blood pressure trends over the last 7 days with dedicated morning and evening averages.
- **Long-Term Evaluation:** The app stores and analyzes data for a comprehensive long-term overview of your health.

8. MAINTENANCE AND CARE

- **Cleaning:** Wipe the device and cuff with a soft, dry cloth. If necessary, use a slightly damp cloth with a mild detergent, then wipe dry. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the device in its provided storage bag/case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace all batteries when the low battery indicator appears on the display. Dispose of used batteries according to local regulations.
- **Cuff Care:** The cuff is durable and reusable. Avoid bending the air tube excessively or subjecting the cuff to sharp objects.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Batteries are dead or incorrectly inserted.	Check battery polarity. Replace all 4 AAA batteries.
"Error" message on display.	Cuff not applied correctly, movement during measurement, or air leakage.	Reapply cuff snugly. Remain still and quiet. Check air tube connection. Try again.
Inconsistent readings.	Improper preparation (not rested), incorrect cuff placement, or external factors.	Ensure 5 minutes rest before measurement. Verify cuff position. Avoid talking/moving. Take multiple readings and average them.
Bluetooth connection issues.	Bluetooth off on phone, app not open, or device not paired.	Ensure Bluetooth is on. Open Veroval medi.connect app. Follow app instructions to pair device.
Arrhythmia symbol appears frequently.	Actual irregular heartbeat or movement during measurement.	Consult your doctor if this symbol appears consistently. Ensure you are completely still during measurement.

10. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Name	Veroval duo control
Model Number	5226
Brand	VEROVAL (Paul Hartmann)
Measurement Method	DUO SENSOR (Oscillometric and Korotkoff)
Cuff Type	Secure-Fit Arm Cuff
Cuff Size	M (22-32 cm arm circumference)
Memory Capacity	200 measurements (100 per user for 2 users)
Power Source	4 x AAA 1.5V Batteries (included)
Connectivity	Bluetooth (for Veroval medi.connect app)
Product Dimensions (L x W x H)	Approx. 24.5 x 17 x 8.2 cm
Package Dimensions	24.3 x 17.3 x 8.5 cm
Weight	840 grams (including packaging)
Material	Reusable, Durable
Included Components	Monitor, Cuff, Storage Bag, Batteries, USB Cable

11. WARRANTY AND SUPPORT

The Veroval duo control blood pressure monitor is manufactured by Paul Hartmann AG. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included in your package or visit the official VEROVAL website.

It is recommended to keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: PAUL HARTMANN AG

For further assistance, you may also contact the retailer where the product was purchased.

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Related Documents - Veroval duo control

	<p><u>Veroval® DS 22 Infrarot-Fieberthermometer Gebrauchsanleitung</u></p> <p>Die offizielle Gebrauchsanleitung für das Veroval® DS 22 Infrarot-Fieberthermometer von HARTMANN. Erfahren Sie, wie Sie präzise Körpertemperaturen am Ohr und an der Stirn messen. Enthält Anleitungen in Deutsch, Niederländisch, Französisch und Italienisch.</p>
	<p><u>Veroval® medi.connect Software Installation Guide</u></p> <p>A comprehensive guide to installing and using the Veroval® medi.connect software for data transfer from Veroval® ECG and Blood Pressure Monitors.</p>
	<p><u>FITAGE Smart Watch User Manual</u></p> <p>Comprehensive user manual for the FITAGE Smart Watch, covering setup, features, usage, maintenance, and troubleshooting. Learn how to connect, track activities, and manage your health with this guide.</p>
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 <p>Smart Watch User Manual</p> <p>Product Information</p> <p>1. The company reserves the right to modify the contents of this manual without any notice. Some functions are different in specific software versions, which is normal.</p> <p>2. Please refer to the manual for more about how to use the watch. Please use a charger with a specification of 5V/1A. This product does not support fast charging. Charging with water (leak) is prohibited to prevent short circuit and product damage.</p> <p>3. Make sure the watch is charged and connected to the APP on the mobile phone. Connect the app to synchronize the watch time and set personal information. For details, see the instructions for the software synchronization software.</p> <p>4. Product information</p> <p>It is recommended to use the mobile phone model version box for</p>	<p>Smart Watch User Manual: G28</p> <p>User manual for the G28 Smart Watch, covering setup, features like sports tracking, sleep monitoring, heart rate monitoring, notifications, music control, weather, and settings. Includes troubleshooting tips and FCC compliance information.</p>
	<p>Bauhn AFTWS-0822 Smart Watch User Guide</p> <p>Comprehensive user guide for the Bauhn AFTWS-0822 Smart Watch, covering features like pedometer, alarm, message notifications, heart rate monitoring, blood pressure, blood oxygen, sports tracking, Bluetooth calls, music playback, and sleep monitoring. Includes setup instructions, specifications, and warranty information.</p>