

CONTEC ABPM50

CONTEC Automatic 24hr Blood Pressure Monitor

Model: ABPM50

1. INTRODUCTION

The CONTEC ABPM50 is an automatic 24-hour blood pressure monitor designed for continuous, non-invasive blood pressure (NIBP) monitoring. This device provides accurate and reliable measurements, allowing for comprehensive tracking of blood pressure trends over extended periods. Its compact and portable design, combined with a user-friendly interface, makes it suitable for both clinical and home use.

Key Features:

- 24-Hour NIBP Monitoring:** Capable of recording up to 350 groups of NIBP data over a 24-hour period, providing a full day and night's blood pressure profile.
- Configurable Measurement Intervals:** Automatic measurement intervals can be set to 5, 10, 15, 20, 30, 40, 60, 90, 120, 180, or 240 minutes.
- Alarm Functionality:** Allows setting of blood pressure thresholds with an alarm to notify if readings fall outside the set range.
- Easy Setup and Data Transfer:** Supports both automatic and manual measurement methods, with up to 300 groups of data recordable manually. Data can be reviewed via 'data list', 'trend graph', and 'big font' interfaces.
- Portable Design:** Compact and lightweight for convenient use and transport.
- High-Definition Color Display:** Provides clear and easy-to-read measurement results.

2. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before using the CONTEC ABPM50 monitor. Failure to follow these guidelines may result in inaccurate readings or device malfunction.

- This device is intended for non-invasive blood pressure measurement in adults.
- Do not use this device on infants or individuals who cannot communicate their discomfort.
- Consult with a healthcare professional for interpretation of blood pressure readings and before making any medical decisions.

- Do not attempt to repair or modify the device. Refer all servicing to qualified personnel.
- Keep the device and its components out of reach of children and pets.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all the following components are included:

- CONTEC ABPM50 Blood Pressure Monitor Unit
- Adult Cuff (Size: 9.84"-13.78" / 25cm-35cm)
- Carrying Pouch
- BP Extending Tube
- USB Data Line
- User Manual





Figure 3.1: Front view of the CONTEC ABPM50 Blood Pressure Monitor, displaying a blood pressure reading of 120/80 mmHg and a pulse rate of 80 bpm.

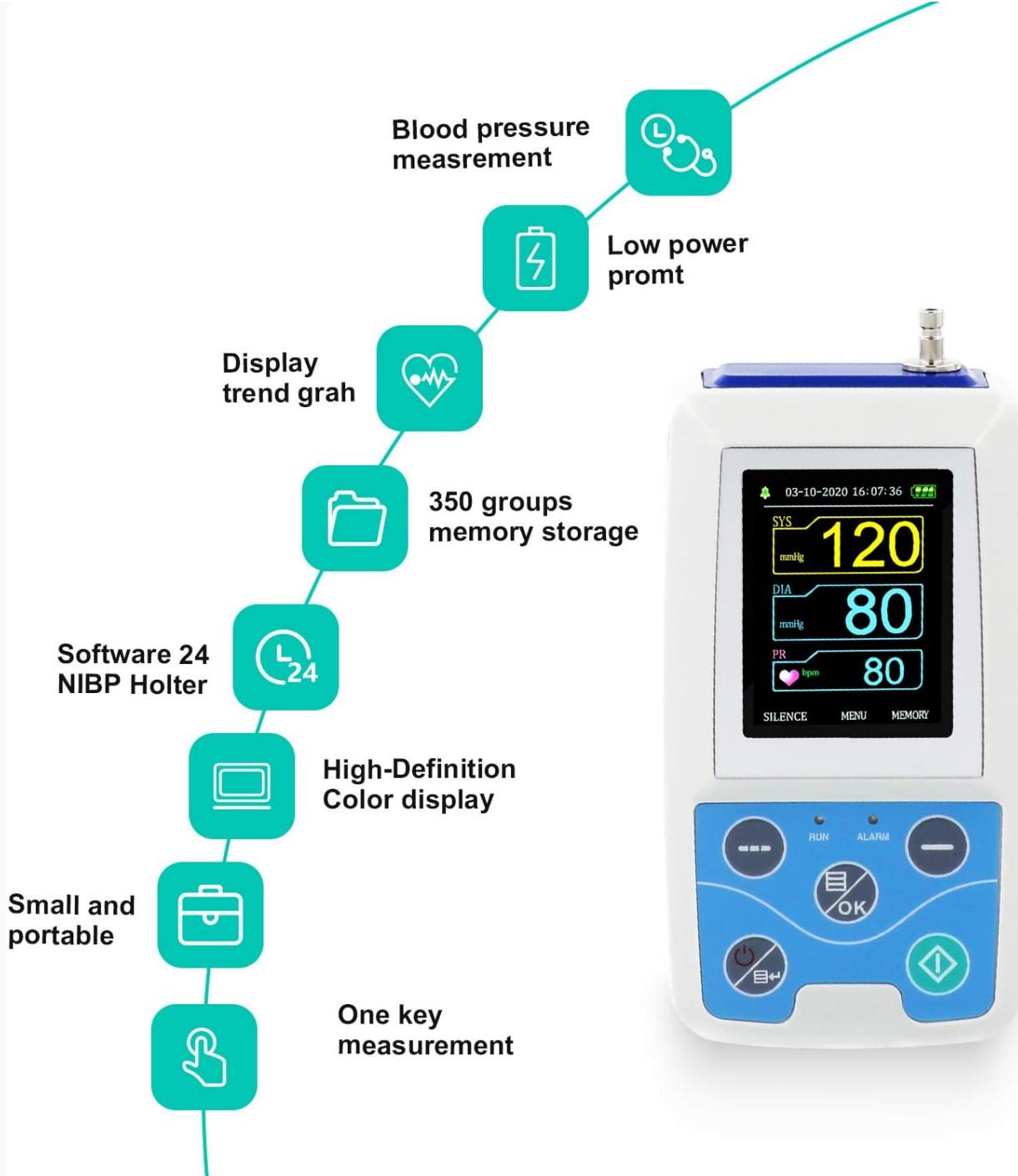


Figure 3.2: Infographic highlighting key features of the CONTEC ABPM50, including blood pressure measurement, low power prompt, display trend graph, 350 groups memory storage, software for 24-hour NIBP Holter, high-definition color display, small and portable design, and one-key measurement.



Figure 3.3: All included components of the CONTEC ABPM50 system: the main monitor unit, an adult cuff, a BP extending tube, an USB data line, and a carrying pouch.

4. SETUP AND CUFF PLACEMENT

4.1 Battery Installation

The CONTEC ABPM50 is powered by batteries. Open the battery compartment, typically located on the back or side of the device, and insert the required batteries, ensuring correct polarity. Close the compartment securely.

4.2 Connecting the Cuff and Tube

Connect the BP extending tube to the monitor unit's air tube connector. Then, connect the other end of the extending tube to the adult cuff's air tube connector. Ensure all connections are secure to prevent air leakage during measurement.

4.3 Proper Cuff Placement

Accurate blood pressure readings depend significantly on correct cuff placement. The cuff should be placed on the upper arm, directly on the skin, approximately 1-2 cm above the elbow joint. The artery mark on the cuff should align with the brachial artery on the inside of your arm.

Connect the cuff to the airway tube. The cuff should be placed at the same level as the patient's heart. Otherwise amend the measurement results by the following methods

- If the cuff is placed higher than the heart level, add 0.75 mmHg (0.10 kPa) for each inch of difference.
- If it is placed lower than the heart level, minus 0.75 mmHg (0.10 kPa) for each inch of difference.



Figure 4.1: Illustration of proper cuff placement on the upper arm, with the monitor unit connected via the extending tube. The cuff should be at the same level as the patient's heart for accurate readings.

Important Note on Cuff Level: The cuff should be placed at the same level as the patient's heart. If the cuff is placed higher or lower than the heart level, the measurement results may need adjustment:

- If the cuff is placed higher than the heart level, add 0.75 mmHg (0.10 kPa) for each inch of difference.
- If it is placed lower than the heart level, subtract 0.75 mmHg (0.10 kPa) for each inch of difference.

adult/baby/child reusable cuff

type	Limbs Circumference	cuff width	length of inflation tube	
baby	10~19 CM	8 CM	1.5m or 3m	
child	18~26 CM	10.6 CM		
adult	25~35 CM	14 CM		
adult large	33~47 CM	17 CM		

baby disposable cuff

type	Limbs Circumference	cuff width	length of inflation tube
1	3.1~5.7 CM	2.5 CM	1.5m or 3m
2	4.3~8.0 CM	3.2 CM	
3	5.8~10.9 CM	4.3 CM	
4	7.1~13.1 CM	5.1 CM	

Figure 4.2: Table detailing various cuff sizes for adult, baby, and child, including limbs circumference, cuff width, and length of inflation tube for both reusable and disposable cuffs. The included adult cuff is suitable for limb circumferences of 25-35 cm.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the power button (usually marked with a power symbol) to turn the device on. To turn off, press and hold the power button until the display shuts down.

5.2 Manual Measurement

To take a single, immediate blood pressure reading:

1. Ensure the cuff is correctly placed on your arm.
2. Press the 'RUN' or 'OK' button (refer to device buttons). The cuff will begin to inflate automatically.
3. Remain still and quiet during the measurement.
4. Once the measurement is complete, the results (Systolic, Diastolic, and Pulse Rate) will be displayed on

the screen.

5.3 24-Hour Ambulatory NIBP Monitoring

The primary function of the ABPM50 is continuous 24-hour monitoring. This mode allows for automatic measurements at predefined intervals throughout the day and night.

- 1. Access Menu:** Press the 'MENU' button to navigate through the device settings.
- 2. Select ABPM Option:** Locate and select the 'ABPM' or '24hr Monitoring' option.
- 3. Set Intervals:** Choose your desired automatic measurement intervals from the available options (e.g., 5, 10, 15, 20, 30, 40, 60, 90, 120, 180, 240 minutes).
- 4. Start Monitoring:** Set the 'On/Off' option to 'Begin' and confirm with the 'OK' button. The device will prompt you to choose whether to delete previous data or add to it. Select the appropriate option.
- 5. Wear the Device:** Secure the monitor unit in the carrying pouch and wear it comfortably, ensuring the cuff remains properly positioned.



Figure 5.1: The CONTEC ABPM50 monitor unit shown next to a person sleeping, illustrating its 24-hour ambulatory NIBP monitoring capability for continuous health protection.

5.4 Setting Alarms

The device allows you to set high and low blood pressure thresholds. If a measurement falls outside these limits, an alarm can be triggered.

1. Navigate to the 'Alarm Settings' in the menu.
2. Adjust the systolic and diastolic upper and lower limits as needed.
3. Enable the alarm function.

5.5 Reviewing Data

The ABPM50 stores measurement data for later review. You can access stored data through various display modes:

- **Data List:** Displays individual measurement records in a list format.
- **Trend Graph:** Visualizes blood pressure trends over time.
- **Big Font:** Shows current or selected data in a larger font for easier readability.

Use the navigation buttons (up/down, left/right, OK) to browse through the stored data.

6. DATA MANAGEMENT AND PC SOFTWARE

The CONTEC ABPM50 allows for data transfer to a personal computer for more detailed analysis and record-keeping. This feature is crucial for sharing comprehensive blood pressure profiles with healthcare providers.

- **Connecting to PC:** Use the provided USB data line to connect the monitor unit to your computer.
- **Software Installation:** The device requires specific PC software for data transfer and analysis. Please refer to the instructions provided with the device for software download and installation. Note that a physical CD may not be included; download instructions are typically found on the product packaging or within the user manual.
- **Data Analysis:** The software allows you to view detailed reports, trend graphs, and statistical analysis of your blood pressure readings, which can be printed or exported.

7. MAINTENANCE AND STORAGE

7.1 Cleaning

- Wipe the monitor unit with a soft, dry cloth. If necessary, use a cloth lightly dampened with water or a mild disinfectant. Do not use abrasive cleaners or immerse the device in water.
- Clean the cuff regularly with a damp cloth and mild soap. Allow it to air dry completely before storage or next use.

7.2 Storage

- Store the device and its components in the provided carrying pouch when not in use.
- Store in a cool, dry place, away from direct sunlight, extreme temperatures, and high humidity.
- Remove batteries if the device will not be used for an extended period to prevent leakage.

8. TROUBLESHOOTING

If you encounter issues with your CONTEC ABPM50, please refer to the following common solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries; incorrect battery installation.	Replace batteries with new ones; ensure correct polarity.
Cuff does not inflate or inflates improperly.	Air tube disconnected; cuff not properly wrapped; air leakage.	Check all tube connections; re-wrap cuff snugly; inspect cuff and tube for damage.
Inaccurate or inconsistent readings.	Improper cuff placement; movement during measurement; talking during measurement.	Ensure cuff is correctly placed at heart level; remain still and silent during measurement.
Data transfer to PC fails.	USB cable not connected properly; software not installed or outdated; driver issues.	Ensure USB cable is secure; install or update PC software and drivers as per instructions.

9. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	ABPM50
Product Dimensions	5.04" L x 1.42" W x 2.72" Th (12.8 cm x 3.6 cm x 6.9 cm)
Weight	1.81 Pounds (approx. 0.82 kg)
Power Source	Battery Powered
Display Type	LCD
Cuff Size (Adult)	9.84"-13.78" (25cm-35cm)
Age Range	Adult
24hr NIBP Data Storage	Up to 350 groups
Manual NIBP Data Storage	Up to 300 groups
Automatic Measure Interval Options	5, 10, 15, 20, 30, 40, 60, 90, 120, 180, 240 minutes
Included Components	Monitor, Adult Cuff, Carrying Pouch, BP Extending Tube, USB Cable

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The CONTEC ABPM50 Blood Pressure Monitor comes with a **one-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized repairs, or failure to follow the instructions in this manual.

10.2 Customer Support

For any concerns regarding your device, technical assistance, warranty claims, or questions not covered in this manual, please contact CONTEC customer support. Refer to the contact information provided on the product packaging or the official CONTEC website.

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

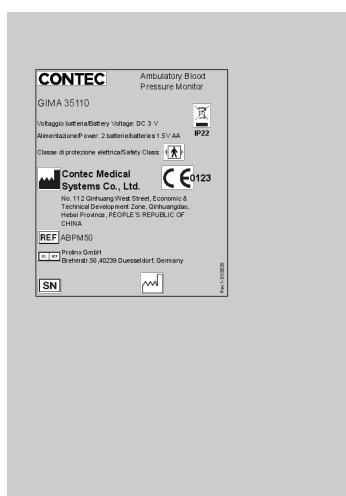
Documents - CONTEC – ABPM50



[Holter de Presión Arterial Contec ABPM50: Especificaciones y Características](#)

Información detallada sobre el Holter de Presión Arterial Contec ABPM50, incluyendo especificaciones técnicas, características y uso para pacientes adultos, pediátricos y neonatos.

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[GIMA ABPM50 Ambulatory Blood Pressure Monitor Technical Specifications](#)

Detailed technical specifications for the GIMA ABPM50 Ambulatory Blood Pressure Monitor, including manufacturer information, power requirements, and safety class.

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HOLTER MODELO ABPM50 Introducción General El **ABPM50** es un monitor de presión arterial ambulatorio de mano, diseñado según la teoría de la oscilógrafo. El dispositivo monitorea la presión sanguínea del cuerpo humano hasta 24 horas continua y dinámicamente, una base precisa para el diagnóstico. Es aplic...

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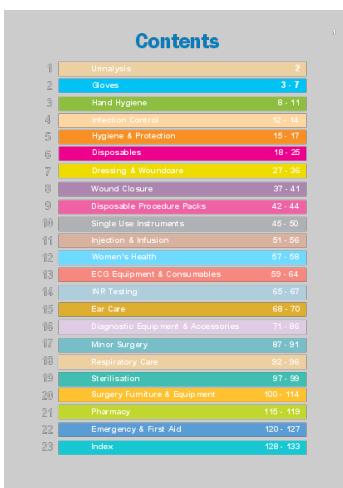


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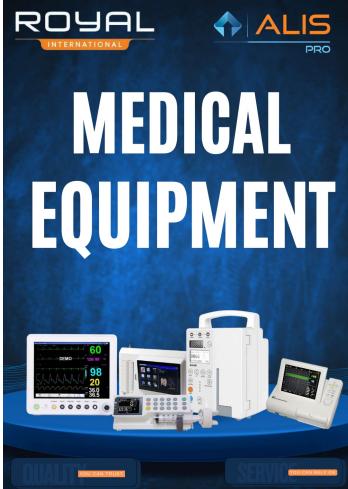
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