



Digital Blood Pressure Monitor

ePA-08B4
(EOC-SBPBT-L)



User Guide

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

EOCENE HEALTH SYSTEMS

Dear Customer,

Thank you for choosing the Eocene Blood Pressure Monitor ePA-08B4(EOC-SBPBT-L)

For the purpose of proper usage and maintenance of the Blood Pressure Monitor, please read this manual completely before operating the unit.

Please retain this instruction manual for future use. The warranty card is attached to this manual. please retain it as well.

Note: Illustrations in this manual is solely for interpretation purposes only.

To obtain accurate blood pressure readings, measure your blood pressure at the same time every day.

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Safety Information

To assure the correct use of this device, the following basic safety measures should always be followed including the warnings and cautions listed in this instruction manual.

- Contact your doctor and obtain all information about your blood pressure.
- Self-diagnosis and self-treatment based on the measurements obtained using this device may be dangerous.
- Always follow the instructions of your physician or licensed healthcare provider.
- Patients with chronic conditions or blood circulation obstacle issues should use this device under the guidance of a medical doctor.
- This device is intended for the use of adults to measure their blood pressure and pulse rate. Do not use this device on infants and on people who have difficulty in expressing their intentions.
- DO NOT adjust medication based on measurement results from this blood pressure monitor. Take medication as prescribed by your physician. Only a physician is qualified to diagnose and treat High Blood Pressure.
- The monitor is not intended to be a diagnostic device.
- Control the pressure of the device within 300mmHg (40kPa) to avoid congestion or numbness in the arm.
- This device is only for use on human body for measuring Blood Pressure.
- Always use the special cuff provided with the device in order to obtain accurate measurement.
- Do not use a mobile / cell phone near this device.
- Do not dismantle or repair the device or the cuff. there is no user serviceable parts in it.
- Use only 1.5 V (Volt) alkaline batteries for this device. Using other type of batteries may damage the unit.
- Ensure the batteries are inserted in to the battery compartment with the correct polarity.
- If battery fluid gets in to your eyes, rinse with plenty of water and contact a physician immediately.
- When the 'Low battery' indicator appear on the screen, replace all 4 batteries after turning off the device.
- If the device is being used after more than 3 months of inactivity, please replace the batteries.
- Dispose batteries and the device with all accessories in accordance with the prevailing laws and regulation of your City/county/State

What's in the Box

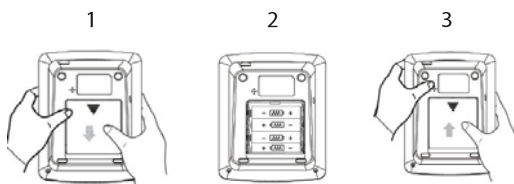
The box should have the following items:

1. Main body - The Blood Pressure Monitor
2. Cuff and cuff tube
3. Batteries (4xAA Alkaline batteries)
4. Instruction Manual
5. Warranty card

Battery Installation

Please follow the directions mentioned below:

1. Turn around the main body, press on the cover of the battery compartment and slide it down.
2. Install the four 'AA' Batteries by matching the polarities: + (positive) and - (Negative) as marked in the battery compartment.
3. Slide in the battery compartment cover back.



When replacing batteries in the future, ensure that the Blood Pressure Monitor is turned off. When the battery is low, This icon  will appear and start flashing. At this time please replace all 4 batteries. The time and date need to be reset every time the batteries are replaced. However, the stored data will not be eliminated.

Setting Date and Time

To set-up the date and time, the user has to be set up first

User Set-up

Press the 'SET' button to activate the set-up process.



The user number appears and flashes.

Press the 'Memory' button to select a user and the press "SET" button to confirm the user.

When the User is set up, the "Year" icon will start flashing to prompt to set the year. Press the 'MEMORY' button continuously until the desired year appears. Press 'SET' button to set the year.

Now the 'Month' icon will start flashing. Press the 'Memory' button continuously until the desired month appears.

Press the 'SET' button to set the month. When the month is set, the "Date" icon will start flashing. Press the 'Memory' button continuously until the desired date appears. Press the 'SET' button to set the date. similarly set the hour and minute.

Once the year , month, date and time is set, press the 'Memory' button and select the measurement unit: "mmHg" or "kPa" and press the 'SET' button to set the measurement unit.

Using the Cuff

Both left and right arms can be used to measure. Usually the left arm is used.

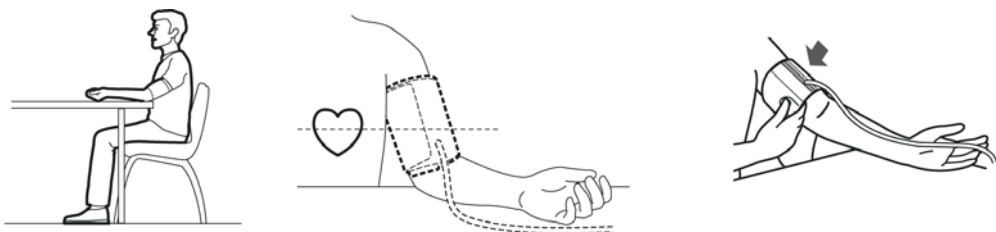
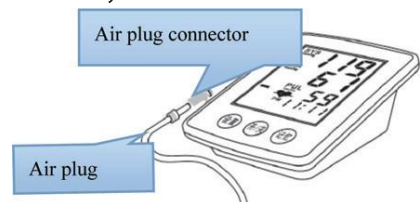
Keep your wrist bare or only wear thin and close-fitting clothes when measuring.

Measure in a room with favorable temperature.

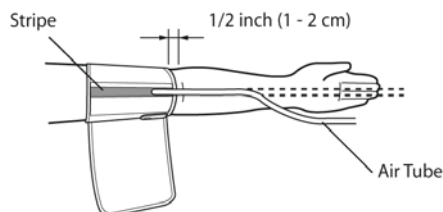
Don't roll you sleeves up or measure when wearing thick clothes, but perform measurement after removing off your heavy clothes.

For accurate measurement, please pay attention to position the arm band correctly.

1. Connect the air plug to the connector on the monitor
2. Sit on a chair with your feet flat on the floor. Place your left arm on a table so the cuff is level with your heart.
3. Insert your left arm through the arm band.
4. Place the air tube on the palm and turn your palm upward



5. Rotate the cuff so the metal stripe is on the inside of your arm and aligned with your middle finger. The air tube runs down the inside of your arm. The bottom of the cuff should be approximately 1/2" above your elbow.



6. Wrap the cuff firmly in place around your arm using the cloth fastener.

Measuring Blood Pressure

1. If you are using the Eocene Home Control (EHC) Unit, sit near the EHC and keep correct posture during measurement. Do not move your body and remain silent.
2. Power-on, tap "on/off" button to start measurement.
If you need to stop measuring, press the "on/off" button for a longer period. The pressure stops building up and the air in the arm band start to discharge.
3. When you have completed the measurement, result appears on the BP monitor as well as on your Television or your mobile device and made available to your healthcare providers if you are using the Eocene Health System and the EHC. If you are not, the measurement result can be uploaded through wireless transmission mode to the Eocene ROS platform. Please contact Eocene support or go to Google play store for android devices or go to App Store for iOS device to install the Eocene App so that the readings can appear on your mobile device. Please log in to your account by going to eocenehealth.com to view your readings online.
4. Once you have installed the Eocene App, click on the Eocene icon and register yourself by selecting "Registration" as shown in the figures 1 below. Input the requested information as shown in figure 2 and complete the registration. Once you are registered, you can log in by selecting "Log in" as shown in figure 1.

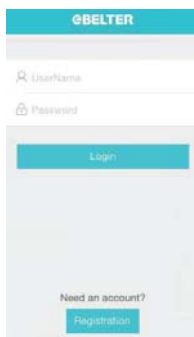


Figure 1



Figure 2

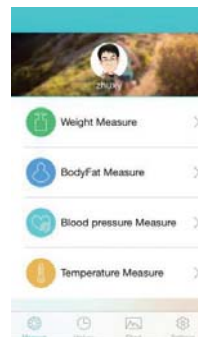


Figure 3



Figure 4

5. After logging in, on window that appears, select "Blood Pressure" as shown in figure 3. The new window that opens up will show your latest blood pressure reading as shown in figure 4
All readings are stores automatically and can be retrieved any time.
6. To retrieve previous readings, tap on "History" located in the bottom of the screen (Please see figure 4) to see previous readings/data as shown in Figure 5. To see a graphical representation of data, you may tap on "Chart" located at the bottom of the screen as shown in figure 6.
7. To edit user information, you may tap on the "Settings" tab located in the far right bottom of the screen. please see figure 7.

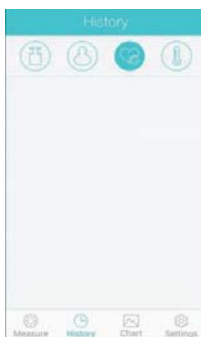


Figure 5



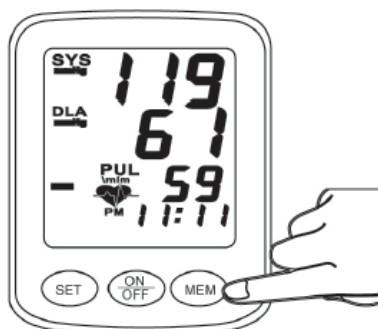
Figure 6



Figure 7

8. Apps: This device is configured to be compatible with Bluetooth 4.0 and the communication distance is within 10 meter or 25 feet. For Android devices, the operating system should be above Android 4.3. For Apple the operating system should be iOS 7.0

Using Memory Function



This device can automatically save 60 sets of data. In order to view old data, switch on the device and press the “MEM” button. When you have stored the maximum number of 60 sets of data, the device will delete the older data so as to store newer ones.

Care and Maintenance

Please follow the instructions and usage methods described in this manual

Clean the main body with as often as required with a soft cloth

If the monitor / Main body is very dirty, dampen the soft cloth with water and wipe the monitor. Make sure that the cloth is not too damp that water oozes out when applying pressure.

Don't allow water go into the monitor

Do not wipe with oil, thinners, alcohol, gasoline or such other solvents or cleaners.

Do not wash or wet the arm band

Do not place the monitor at places where:

- i. There is water or the possibility of water being splashed on the Monitor
- ii. The device is exposed to direct sunshine, high temperature, humidity, dust and corrosive gas.
- iii. There is a possibility of subjecting the Monitor to vibrations or impact
- iv. Chemicals or corrosive gases are stored

If you do not have to use the device for a long period of time (over 3 months), please remove the batteries and keep the device in the box or in a safe place.

We recommend that the monitor be checked and calibrated once a year to ensure normal functioning and accurate measurements.

Product Declaration

The blood pressure data measured by this equipment and that measured by auscultation are equal in value. It's deviation meets the requirements of YY070-2008.

This equipment do not interfere with radio waves and is approved to be used in hospitals, clinical and other environmental-qualified organizations.

It may cause electromagnetic interference to surrounding radio installation and television equipment when used in an inappropriate environment. Please stay away from strong electric field, magnetic field and high voltage equipment and protect the screen from direct and strong sunshine when using it.

In order to ensure proper functioning of the equipment, it must be used in an environment where the temperature is between 41°F to 104°F and relative humidity between 15%~85%.

Error Display - Interpretation

If there is any issues that causes the device to not function properly, it displays error codes based on the type of issue.

Error Sign	Reason	Solution
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Er U : Not inflatable to 30 mmHg within 7 seconds.

Er U	Device leakage or cuff insert is incorrect.	Please check the cuff insert is secure.
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Er H: Over 295mmHg 20MS, pressure will automatic exhaust

Er H	Machine operation error can't receive signal	Turn off the power and power on to measure again
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Er1: Cannot measure pulse (signal is weak, cannot get effective measuring results)

Er 1	cuff winding too loose	Please wind the cuff tighter again.
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Er 2 : Too much interference (move, speak, magnetic, etc when measuring)

Er 2	Talking when measuring, or rocking arm causes interference.	Keep your arm steady and do not talk
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Er 3: Measure error (Signal is jammed, cannot get effective results)

Er 3	arm or body movement is causing more pressure	Stay still and measure again
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Error Display - Interpretation

Error Sign	Reason	Solution
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Er 4: Measurement error (signal disturbances, cannot get effective results)

	Battery power is insufficient	Switch of the device, replace all 4 batteries and start again
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When you have queries

Situation	Reason	Solution
The measured value of blood pressure is abnormal low (high)	The cuff is wound incorrectly	Refer to the manual for the correct procedure of winding the cuff and try again
	Talking or arm movement while measuring	Remain quiet, hold your arm steady and measure again
	Sleeves of your clothing is rolled down	Measurements sometimes are affected by clothing. Roll up the sleeve and try again
Under pressurized	Cuff is wound loosely	Refer to the manual for the correct procedure of winding the cuff and rewind tighter
	Cuff may be leaking air	Replace the cuff
Cuff exhausts in a short time	Cuff is wound loosely	When the cuff is wound loose, it adds pressure to the cuff and reduces its service life
The device works properly and the measurements are accurate but, when Blood pressure was measured in the hospital, the readings were lower than the ones measured at home	You must have taken hypotension drugs or the cuff was not positioned correctly	Hypotension drugs will lower your blood pressure The cuff must be in level with your heart and the monitor must be placed too high.
No display when turned on	Battery is completely depleted or the battery polarity is reversed	Check polarity and turn on again. If still no display replace all 4 batteries
Display screen is wobbling cannot take measurement	Battery power is low or not started properly	Press the Start/Stop button and try again. If problem persists, replace battery

If the issue is not resolved after following the steps mentioned under the solution column above, please contact Eocene support at: 321 567 0688

Specification

Name :	Electronic Blood Pressure Monitor
Model :	ePA-08B4(EOC-SBPBT-L)
Display Mode :	Digital display
Measuring Method :	Oscillometry
Product dimension(MM) :	120(W) x 158 (L) x 54 (H)
Product weight(GW) :	1.04 LBS
Accuracy :	Pressure: +/- 3mmHg/g; Pulse: +/-5
Pressure resolution :	1mmHg/0.1Kpa
Pulse rate :	40 beat/min - 200 beat/min
Pressure measurement range :	0-280 mmHg (0-37.3Kpa)
Heart beat measurement range :	40-180 pulse/min
Memory data storage :	60 sets; Time display; Auto off
Operation :	Touch button
Batteries :	4xAA Batteries
Storage condition :	temperature: -20-55 C; humidity: 15-95% RH
Bluetooth Communication distance :	10m/30F(barrier free)
Cuff Sizes :	S, M, L

Warranty

One year warranty from the date of purchase. purchase invoice required

Warranty service shall not be provided if the device malfunction is because:

1. The user opened the device and or dismantled and reinstalled the device
2. User inadvertently or otherwise dropped the device
3. lack of reasonable maintenance
4. User operated the device not in accordance with the guidelines provided in the user manual
5. Repair or maintenance done by an unauthorized personnel or establishment

Service provided outside the scope of warranty will be charged as per prevailing regulations and stipulated rates.

For warranty services, please contact:

Eocene Systems,
2441 Bellevue Avenue,
Daytona Beach, FL 32114
Support: 321-567-0688 FAX: 321-567-0688

Model Number: _____		Name of Purchaser: _____	
Date of Purchase: _____			
Name of Store: _____		Address: _____	
Address: _____		_____	
_____		Zip: _____ State: _____	
Zip: _____ State: _____			
		Phone: _____	