vive®
PRECISION


# COMPACT BLOOD PRESSURE MONITOR: *MODEL BT-S*

Compatible with Smart Devices

Owner's Manual

DMD1061BLK

vivehealth.com

## INTRODUCTION

Thank you for purchasing the Vive Precision Compact Blood Pressure Monitor: Model BT-S Compatible with Smart Devices. With proper care and use, your monitor will provide you with many years of reliable readings.

The device is easy-to-use and good for home users and healthcare professionals. It applies the non-invasive oscillometric method which can measure your blood pressure and pulse rate quickly and easily, and it saves the data automatically to let you review the average and measured data at any time.

Automatic digital blood pressure monitors use the oscillometric method to electronically measure your blood pressure. The monitor detects your blood's movement through the artery in your arm and converts the movements into a digital reading. The oscillometric method does not require a stethoscope, making the monitor ideal for home use.

Blood pressure readings determined with the device are equivalent to measurements obtained by a trained healthcare professional using the cuff/stethoscope auscultation method, within the limits prescribed by the American National Standard for Electronic or Automated Sphygmomanometers.

We are constantly answering questions and recording helpful videos to make using your Vive Precision Compact Blood Pressure Monitor: Model BT-S Compatible with Smart Devices as easy as possible. Check out the included links and QR codes to help you through the process.

To see all FAQs in one place
visit **vhealth.link/olu**

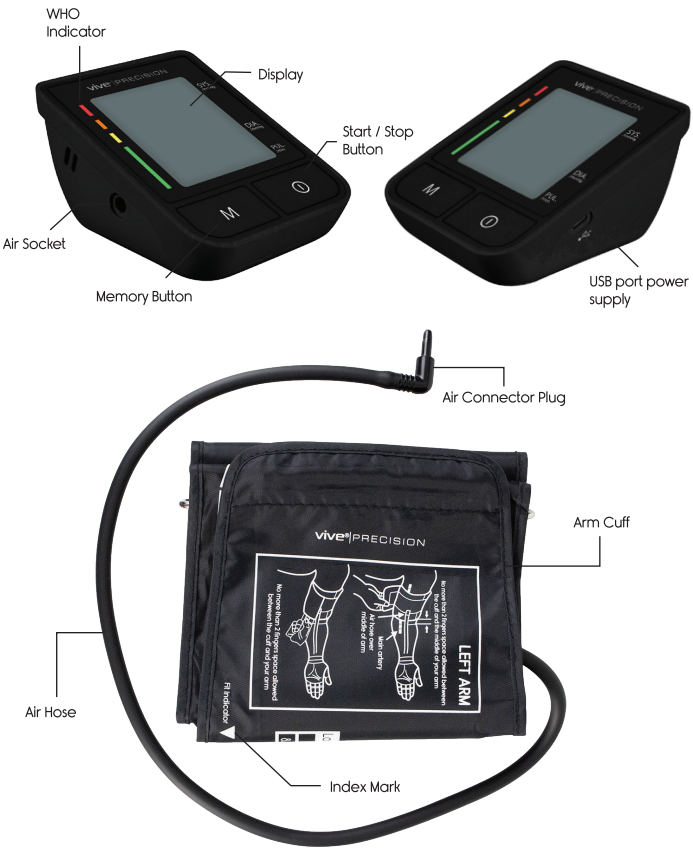
## INDICATIONS FOR USE

This device is for use by medical professionals or home users. It is intended to measure the systolic and diastolic blood pressure on an adult individual by using a non-invasive technique, in which an inflatable cuff is wrapped around the upper arm.

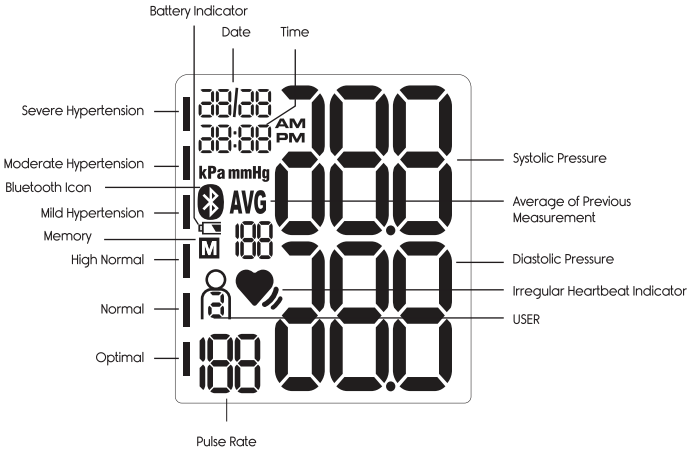
## DEVICE DESCRIPTION

For a video demonstration,
check out **vhealth.link/xp4**

# Main Unit


WHO Indicator
Display
Start / Stop Button
Air Socket
Memory Button
USB port power supply
Air Connector Plug
Arm Cuff
Air Hose
Index Mark
vive PRECISION
LEFT ARM
Main artery
FIt Indicator

## Information on the Display:




## INSTALLING THE BATTERIES

1. Remove the battery cover.

2. Remove the used batteries and insert new batteries.

   a. Use 4 AAA alkaline batteries.

   b. Make sure the battery polarities (+) and (-) match the markings on the battery compartment.

3. Close the battery cover.

## Battery Level Indicator

When the battery level is getting low, the low battery symbol and "E6" will appear on the display. Replace all used batteries with new batteries.

## Battery Specific Warnings and Precautions

Batteries may cause a choking hazard to children. Store the batteries out of the reach of children.

In case battery fluid leaks, do not touch the battery fluid. Avoid skin contact (e.g. put on protective gloves) and clean the battery compartment with dry cloth.

Remove the batteries from the battery compartment if the device will not be used for a long period.

Use only 1.5V alkaline batteries. Do not use other types of batteries, such as rechargeable batteries. This may damage the device.

Replace all batteries at the same time. Do not mix used and new batteries. Use of same brand and model of batteries is recommended.

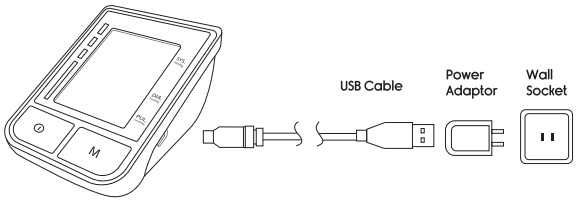
Battery life may vary with ambient temperature and may be shorter at low temperature.

## USE THE CHARGING CABLE

Remove and add:

1. Connect the Charging Cable to a USB power adapter.
2. Connect the USB power adapter to an appropriate outlet (110-240 V, 50/60Hz).
3. Then, connect the Charging Cable into the USB port on the right side of the Blood Pressure Monitor.

Note: The Charging Cable is for charging the device only, and can not be used for data transfer.



## SET THE PRESSURE UNIT / DATE / TIME / SMART PHONE CONNECTION

1. When new batteries are installed

   a. The year will blink on the display. Press M to change the year. Pressing the M button will increase the year.


   b. Press the Power Button to confirm the year and then the date will start blinking. Pressing M will increase the date.

   Press the Power Button to confirm the date and then the time will start blinking.


c. Press the M button to increase the hour and then press the Power Button to confirm the hour. Now the minutes will start blinking. Press the M button to increase the minutes and then press the Power Button to confirm the minutes.

   The date will now be confirmed. Now you will see the option for smart device connectivity. Press the Power Button to turn on the smart device capabilities and the setup will be complete.



## BEFORE TAKING A MEASUREMENT

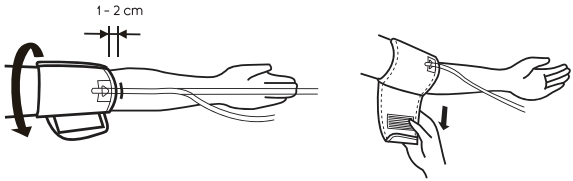
- Before using the device, check your upper arm circumference and make sure it matches the cuff circumference range.
- Keep record of your blood pressure and pulse rate. A single measurement does not provide an accurate indication of your true blood pressure.
- To ensure comparable data, measure your blood pressure at the same time of the day for consistency.
- Measurement should be taken in a quiet and comfortable indoor environment.

- To ensure a reliable measurement, follow these recommendations:
  - Avoid eating, drinking alcohol or caffeinated beverages, smoking, exercising, or bathing for 30 minutes before taking a measurement.
  - Rest for at least 5 minutes before taking measurements during stressful conditions.
  - Avoid taking measurement while you are physically tired or exhausted.
  - Remain still and do not talk during the measurement.
  - Position the cuff at heart level throughout the measurement.
- Relax and sit comfortably on a chair. Lay your feet flat on the floor. Do not cross your feet. Keep your back straight.

## APPLYING THE ARM CUFF

1. Bare your left upper arm. Make sure that the blood circulation in your arm is not constricted by any clothing that is too tight.
2. Put your left arm through the cuff loop. Turn your palm upward. Position the cuff approximately 1/2 inch or 1-2cm above your elbow. The air tube runs down the inside of the arm and aligns with the middle finger. Do not place the arm cuff over any clothing such as a sleeve.
3. Pull the end of the cuff and fasten the hook and loop. Make sure that the cuff is wrapped firmly around your upper arm, but should not constrict blood circulation.

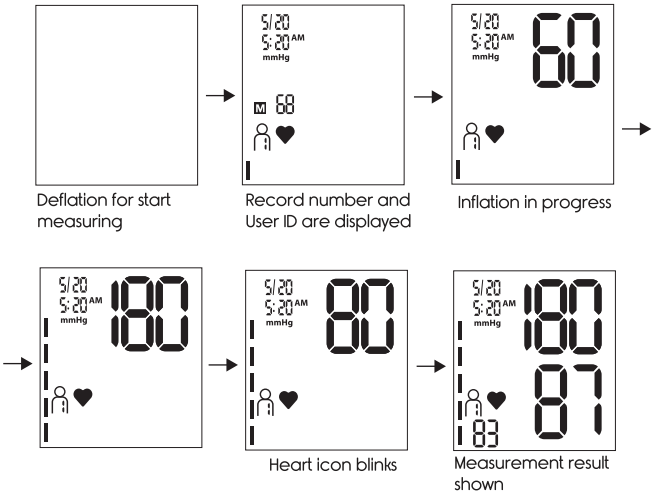
4. Place your elbow steadily on a table or at a position so that the cuff is level with your heart.
5. Insert the cuff air plug into the air jack of the main unit. Make sure that the air plug is securely inserted.




6. Ensure that the tube is straight and is not tangled. This may impact the blood pressure reading.

## PERFORMING BLOOD PRESSURE MEASUREMENT

1. Press the Power Button to activate the device.
2. Press the Power Button again to begin taking the measurement.
3. The cuff starts to inflate. It is normal for the cuff to feel very tight. If the cuffs becomes uncomfortable, stop use immediately by pressing the Power Button or unplugging the cuff. A pressure bar indicator is displayed during measurement.
4. Once the pulse is detected, the blinks with each pulse beat indicating that the measurement is in progress.
5. When the measurement is complete, the systolic and diastolic pressure and pulse rate are displayed and stored.




Deflation for start measuring

Record number and User ID are displayed

Inflation in progress

Heart icon blinks

Measurement result shown

## RECALL AVERAGE AND PREVIOUS MEASUREMENT DATA

The device has a memory capability to store the measurement data for up to 1 user. Every time you complete the measurement, the device automatically stores the measurement result. You can view the average data of latest 3 measurement, and the AM/PM average data of the measurement data from the last 7 days.

For a video demonstration, check out **vhealth.link/nfd**

1. Press the M Button in standby mode to enter the memory mode. The average value of latest 3 measurement.

2. Press the M Button to view average data for last 7 days AM record (5:OO - 9:OO am).
3. Press the M Button to view average data for last 7 days PM record (6:OO - 8:OO pm).
4. Press the M Button to view the latest measurement record.
5. Continue to press the M button to view older measurement records.
6. Press the M Button to view previous measurement records.

## DELETE MEASUREMENT DATA

1. Press the M Button to view the average of the measurements.
2. Press and hold the M Button until "CL - -" is displayed.
3. Press the M Button again to confirm the measurement removal until "CL OO" is displayed.
4. After the data has been deleted, the device will display the time and date.

## USING THE VIVE PRECISION APP

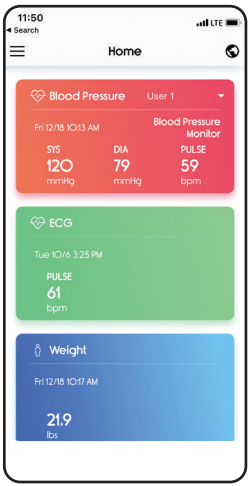
The Vive Precision Blood Pressure Monitor Model: BT-S can also be used with devices that have smart device connectivity. By downloading the free Vive Precision app, you can connect your Blood Pressure Monitor to your smart phone or tablet to store measurements, view graphical summaries, and send data to a loved one or physician.

Please note that you must create an account in order to use the app.

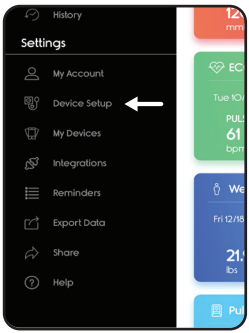
The Vive Precision app is available for most iOS and Android devices for free on the App Store and Google Play Store.

Vive Precision App | ANDROID APP ON Google play | Download on the App Store

1. Begin by downloading the app from either the App Store or the Google Play Store.
2. Sign in or sign up if you do not have an account.
3. After logging in, click the menu icon in the top left corner.



4. Click "Device Setup"




## TRANSFER MEASUREMENT DATA TO SMART DEVICE

1. After taking a measurement with your blood pressure monitor, press the Power Button to save the measurement to the device.
2. Now ensure that the Vive Precision app is open and on the home screen.
3. Press the Power Button the Blood Pressure Monitor to save the measurement to the device. Then press the M Button on the Blood Pressure Monitor to transfer your measurement to the app.

**Notes:**

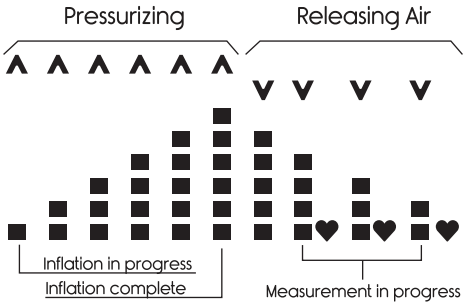
- If data transmission fails, error code "E7" will be shown. Check the Sync feature of the monitor and your smart device.
- The monitor comes with the Sync already turned on as default. Please turn off the Sync feature in the monitor in the areas where use of wireless equipment is prohibited.

- After transferring a measurement, you can view it on the Home Screen of the app.


- Measurements can also be viewed on the Blood Pressure Monitor. Up to 30 measurements can be stored.
- Additionally, your results are stored in the History section of the Vive Precision app. You can store an unlimited amount of measurements.

## PRESSURE BAR INDICATOR

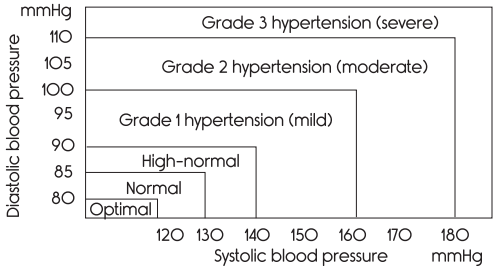
During the blood pressure and pulse rate measurement, the Pressure Bar Indicator illustrates the cuff pressure condition.



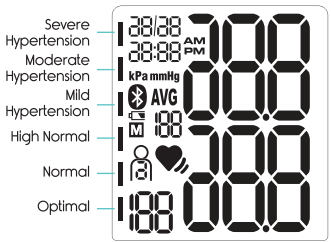
## WHO CLASSIFICATION INDICATOR

The World Health Organization (WHO) has established the following chart as a standard to assess high blood pressure, regardless of age.

Reference Material: Journal of Hypertension 1999, Vol 17 No.2




The WHO Classification Indicator is a feature which provides a snapshot of your blood pressure classification based on your measurements. This will help you to understand what your blood pressure values mean. Each segment of the bar indicator corresponds to the WHO blood pressure classification.



## ABOUT BLOOD PRESSURE

### WHAT IS BLOOD PRESSURE?

Blood pressure is the force exerted by blood against the walls of the arteries. Systolic pressure occurs when the heart expands. Blood pressure is measured in millimeters of mercury (mmHg). One's natural blood pressure is represented by the fundamental pressure, which is measured first thing in the morning while one is still at rest and before eating.

### WHAT IS HYPERTENSION AND HOW IS IT CONTROLLED?

Hypertension, an abnormally high arterial blood pressure, if left unattended, can cause many health problems including stroke and heart attack. Hypertension can be controlled by altering one's lifestyle, avoiding stress, and with medication under a doctor's supervision. To prevent hypertension or to keep it under control:

- Do not smoke
- Exercise regularly
- Reduce salt and fat intake
- Have regular physical checkups
- Maintain proper weight

## WARNINGS AND PRECAUTIONS ⚠

- DO NOT use this device on newborns, infants, children, toddlers, or persons who cannot express their intentions. The device is designed for use on adults only.
- DO NOT self-diagnose from the measurement results and attempt treatment by yourself.

- DO NOT adjust medication based on the measurement results.
- Consult your physician for specific information about your blood pressure.
- The Irregular Heartbeat detection function may help to detect potential cardiac arrhythmia at an early stage but it is not intended to replace cardiac examination.
- The "WHO Blood Pressure Classification" chart is a guide for reference and is not intended to replace medical diagnosis.
- Use the device only as intended. Do not use the device for any other purpose.
- Do not apply the device on an arm with an unhealed wound or under medical treatment.
- Do not take measurements more than necessary. High measurement repetition rates may cause pain, numbness, temporary red marks or bruising to the arm due to blood flow interference.
- If you have any of the following medical conditions, you may get an inaccurate reading with the device. Please consult your physician before using the device.
    - Patients in shock
    - Cardiac arrhythmias
    - Atrial or ventricular premature beats
    - Atrial fibrillation
    - Arteriosclerosis
    - With an arteriovenous shunt.
    - With an intravenous drip or blood transfusion.
    - With an implanted electrical device such as a cardiac pacemaker.

- Poor perfusion
- Vessel anomalies
- Very low blood pressure
- Pregnancy
- Diabetes
- Pre-eclampsia
- Renal diseases
- Underwent breast or axillary lymph node removal operation
- With other medical electrical equipment attached.
- With condition that may compromise circulation.
- Severe blood flow problems or blood disorders, as cuff inflation can cause bruising.
- Trembling or shivering

- Do not use the device with other medical electrical equipment simultaneously.
- Do not use the device where high frequency surgical equipment, magnetic resonance imaging (MRI), computerized tomography (CT) scanner or X-ray machine is operating.
- Do not use the device near electromagnetic fields emission equipment such as cellular phones, microwave ovens, or televisions.
- Do not use the device where flammable gases (e.g. anesthetics gas, oxygen, and hydrogen) or flammable liquids (e.g. alcohol) are present.
- Do not use the device in a moving vehicle such as a car or an airplane.
- Do not use the device outside the specified environment. It may cause an inaccurate reading.
- The product contains small parts that may cause a choking hazard to infants and children. Keep the device and its parts out of reach of infants and children.

- Do not attempt to open, disassemble, repair, modify or adjust the device by yourself. It may cause an accident, damage the device, cause inaccurate measurement and void the user warranty.
- Do not subject the device to strong knocks (e.g. dropping the unit on the floor), extreme temperatures, high humidity, direct sunlight, dust or chemicals. This may damage the device.
- The device is not water resistant. Avoid water, rain, or sweat from infiltrating the device.
- Clean the device and cuff carefully with a dry, soft cloth, or a cloth dampened with water. Do not use aggressive solvents such as alcohol, benzene, thinner or other strong chemicals to clean the device.
- Do not fold the cuff tightly for a long period. Such conditions may shorten the life of the part.
- Dispose used equipment, parts, batteries, and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.
- Do not wrap the cuff around body parts other than your upper left arm. Misuse represents a risk to your health.
- Packaging materials are a deadly hazard for children and can cause suffocation. Remove all packaging materials immediately and keep them away from children at all times.
- Proper cuff size is important for accurate measurements. Only use the device on adults who have the right upper arm circumference for this unit. See "TECHNICAL SPECIFICATION" for suitable arm circumferences.

- Batteries should not be charged or reactivated by any other means. The batteries may explode.
- Take extra precautions to keep a leaking battery away from fire as there is a risk of ignition or explosion.
- Do not use any cuffs or accessories other than those explicitly recommended by the manufacturer for use with this product. Cuffs and accessories not approved for use with this device may cause damage to your health and to the product.
- The tubing presents a strangulation hazard. Keep this product away from children and those who require close supervision, e.g. people with mental disorders.
- In case the cuff does not stop inflating, interrupt the measurement by pressing the ON/OFF button and open the cuff at once.
- Do not drape the tube around your own or anyone else's neck. This presents a strangulation hazard.
- Remove any kind of arm jewellery or the like before taking a measurement. This could cause bruises.
- Do not place the arm cuff over heavy clothing (e.g. a jacket or sweater sleeve) as the blood pressure monitor will not be able to take a proper measurement and there is an elevated danger of acquiring hematoma or skin marks during the course of the measurement.

- When applying the cuff, make sure there are no wrinkles in the cuff as this could cause bruises.
- Blood pressure measurements can lead to temporary marks on the skin at the site of the cuff placement. This is especially the case in high repetition rates. In rare cases, a mark may persist for a couple of days. Please contact your physician about these specific risks of cuff pressure in your specific case.
- Do not exert any kind of pressure on the hose during measurement, e.g. laying your arms or any other object on the hose. This could cause incorrect measurements.
- The device is designed and manufactured for a long service life. However, it is generally recommended to have the monitor inspected every 2 years to ensure proper functioning and accuracy. Please contact your dealer for maintenance.
- Do not drop or insert any object into any openings or hoses. This may damage the unit.
- Do not press the buttons with excessive force or with pointed objects.
- When storing the device, make sure that no heavy objects are placed on top of it.
- The cuff may inflate and become tight during measurement. The device will continue to pump until it detects a pulse. The device may pump several times until a pulse is detected. If the cuff becomes uncomfortable, you can stop the inflation by pressing the Power Button or unplugging the cuff.

**Reasons a pulse might not be detected:**

- The cuff is not applied correctly. Please ensure that the cuff fits correctly and is tightened properly before you begin taking a measurement.
- There is clothing or something between the cuff and the arm. Long sleeved clothing for example may prevent the device from picking up a pulse.
- There is movement, talking, or you are not seated properly. Ensure that you are seated with both feet, flat on the floor and that you do not move or talk during the measurement.

## TROUBLESHOOTING

| Problem | Probable Cause | Correction |
|---|---|---|
| Nothing appears on the display, even when the power is turned on. | Batteries are drained. | Replace all used batteries with new batteries. |
| | Batteries are not installed in correct polarities. | Batteries are not installed in correct polarities. |
| ERROR code 1 (E1) appears | No pulse signal is detected. The cuff may not be applied correctly. | Reapply the cuff and fasten the cuff correctly. |
| ERROR code 2 (E2) appears | Noise is detected. Your arm or body is moving during the measurement. | Remain still and do not talk during the measurement. |

| | | |
|---|---|---|
| ERROR code 3 (E3) appears | No pressure is detected. The cuff may not be fastened properly or is too loose. | Reapply the cuff and fasten the cuff correctly. |
| ERROR code 4 (E4) appears | The device cannot measure the blood pressure correctly. | If the heartbeat is very weak or irregular, the device may not be able to measure the blood pressure. Reapply the cuff and fasten the cuff correctly. Sit comfortably and remain still during the measurement. |
| ERROR code 5 (E5) appears | The cuff is over inflated. Blood pressure over 300 mmHg. | It is recommended to consult your physician immediately. |
| ERROR code 6 (E6) appears | Low battery level. | Replace all used batteries with new batteries. |
| ERROR code 7 (E7) appears | Data transmission failure. | Check the connection of the device and the smart device. |
| The monitor keeps re-inflating | System lockup. | Restart the device. Remove the batteries, wait for 1 minute, and then re-install the batteries. |

| | | |
|---|---|---|
| | | The cuff may inflate and become tight during measurement. The device will continue to pump until it detects a pulse.<br><br>The device may pump several times until a pulse is detected. If the cuff becomes uncomfortable, you can stop the inflation by pressing the Power Button or unplugging the cuff.<br><br>Reasons a pulse might not be detected:<br>- The cuff is not applied correctly. Please ensure that the cuff fits correctly and is tightened properly before you begin taking a measurement.<br>- There is clothing or something between the cuff and the arm. Long sleeved clothing for example may prevent the device from picking up a pulse. |

| | | |
|---|---|---|
| | | - There is movement, talking, or you are not seated properly. Ensure that you are seated with both feet, flat on the floor and that you do not move or talk during the measurement. |

## TECHNICAL SPECIFICATION

| | |
|---|---|
| Model No. | DMD1061BLK |
| Display | LCD Display |
| Measurement Method | Non-invasive, Oscillometric method |
| Measurement Range | Systolic Blood Pressure: 50-250 mmHg<br>Diastolic Blood Pressure: 30-200 mmHg<br>Pulse Rate: 40-180 beats/minute |
| Accuracy | Pressure: +/- 3 mmHg<br>Pulse Rate: +/- 5% of reading |
| Resolution | Pressure: 1 mmHg<br>Pulse Rate: 1 beat/minute |
| Memory | 1 user 30 memory record |
| Dimensions | Approx. 3.32" x 4.4" x 1.84" (83 x 110 x 46mm) |
| Cuff Size / Arm Circumference Range | Full Range: 9" - 17" (22cm-44cm) |

| | |
|---|---|
| Operating Temperature | 41°F to 104°F (5°C to 40°C) |
| Operating Humidity | 15 to 90% RH |
| Storage Temperature | -13°F to 158°F (-25°C to 70°C) |
| Storage Humidity | Up to 90% RH |
| Operation, storage and transport atmospheric pressure | 700hPa to 1060hPa |
| Power Source | 4 x 1.5 AAA<br>no adapter |
| Accessories | Cuff (Standard), Instruction Manual, Storage Pouch, Batteries |
| Classification | Application part Type BF |
| Key to symbols | Application part Type BF  <br>Class II equipment symbol  |

## COMPLIANCE

This device conforms to European Medical Device Directive 93/42/EEC.

This device complies with:

- EN ISO 81060 standard relating to non-invasive sphygmomanometers
  - Part 1: Requirements and test methods for non-automated measurement types and EN 1060 standard relating to non-invasive sphygmomanometers.
  - Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems.
- EN 60601 standard relating to medical electrical equipment
  - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests.
- ISO 81060-2:2018 standard relating to non-invasive sphygmomanometers
  - Part 2: Clinical validation of automated measurement type.
- IEC 80601-2-30:2018 standard relating to medical electrical equipment
  - Part 2-30: Particular requirements for the basic safety and essential performance of automated type non-invasive sphygmomanometers.

## SYMBOLS

| Symbol | Function/Meaning |
|---|---|
|  | WARNING/ATTENTION<br>Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. |
|  | PRECAUTION/IMPORTANT INFORMATION |
| **SN** | Serial Number |
|  | Type BF: Device, cuff and tubing are designed to provide special protection against electrical shocks. |
| **SYS** | Systolic Blood Pressure in mmHg |
| **DIA** | Diastolic Blood Pressure in mmHg |
| **PUL** | Pulse |
|  | WEEE label |
|  | Refer to instruction manual/booklet |
|  | Keep dry |

# APPENDIX I

| Guidance and manufacturer's declaration - electromagnetic emissions | | |
|---|---|---|
| The Sphygmomanometer (DMD1047) is intended for use in the electromagnetic environment specified below. The customer or user of the device should assure that it is used in such an environment. | | |
| **Conducted and radiated RF EMISSIONS** | **Compliance** | **Electromagnetic Environment Guidance** |
| RF emissions CISPR11 | Group 1 | The device uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment. |
| RF emissions CISPR11 | Class B | The device is suitable in all establishments, other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes. |

# APPENDIX II

| Guidance and manufacturer's declaration - electromagnetic immunity | | | |
|---|---|---|---|
| The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment. | | | |
| Immunity Test | IEC 6O6O1 test level | **Compliance level** | Electromagnetic environment guidance |
| Electrostatic Discharge IEC 61OOO-4-2 | N\8 kV contact N\ 15 kV air | N\8 kV contact N\ 15 kV air | Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 3O%. |
| Power frequency (5OHz / 6OHz) Magnetic field IEC 61OOO-4-8 | 3O A/m 5OHz/6OHz | 3O A/m 5OHz/6OHz | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |

| | | | |
|---|---|---|---|
| Conducted RF IEC 61000-4-6 | 3 Vrms 0.15 MHz – 80 MHz 6 Vrms in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80% AM at 1 kHz | 3 Vrms 0.15 MHz – 80 MHz 6 Vrms in ISM and amateur radio bands between 0,15 MHz and 80MHz 80% AM at 1 kHz | Portable and mobile RF communications equipment should be used no closer to any part of the Sphygmomanometer (DMD1047), including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance<br>$d = \left[\frac{6}{E}\right]\sqrt{P}$<br>where P is the maximum output power rating of the transmitter in Watts (W), d is the minimum recommended separation distance in meters (m), and E is the immunity test level in V/m. |

| | | | |
|---|---|---|---|
| | | | Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, a should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol:  |

**NOTE:** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

## APPENDIX III

| Recommended separation distances between portable and mobile RF communications equipment and the device. |
|---|
| The device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the device as recommended below, according to the maximum output power of the communications equipment. |

| Rated maximum output power of transmitter (W) | Separation distance according to frequency of transmitter (m) | |
|---|---|---|
| | 3 Vrms | 10 V/m |
| 0.01 | 0.200 | 0.060 |
| 0.1 | 0.632 | 0.190 |
| 1 | 2.000 | 0.600 |
| 10 | 6.33 | 1.90 |
| 100 | 20.0 | 6.00 |

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

**NOTE:** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

## APPENDIX IV

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference
to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

## WARNINGS ⚠

- To comply with the limits of the Class B digital device, pursuant to Part 15 of the FCC Rules, this device is comply with Class B limits. All peripherals must be shielded and grounded. Operation with non-certified peripherals or non-shielded cables may result in interference to radio or reception.
- Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to perate the device.

# HAVE MORE QUESTIONS?

Check out our list of Frequently Asked Questions at **vhealth.link/olu** for helpful answers.

And if that doesn't answer your question, our customer service team would love to help! Feel free to connect with them by phone, e-mail, or chat on our website.

**service@vivehealth.com**

**1-800-487-3808**

**vivehealth.com**

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8955 Fontana Del Sol Way
Naples, FL 34109
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