

# Essentia<sup>+</sup>

Blood Pressure Monitor

## Instruction Manuel

Model: 106-930



Multi-User:  
2 x 60 Readings



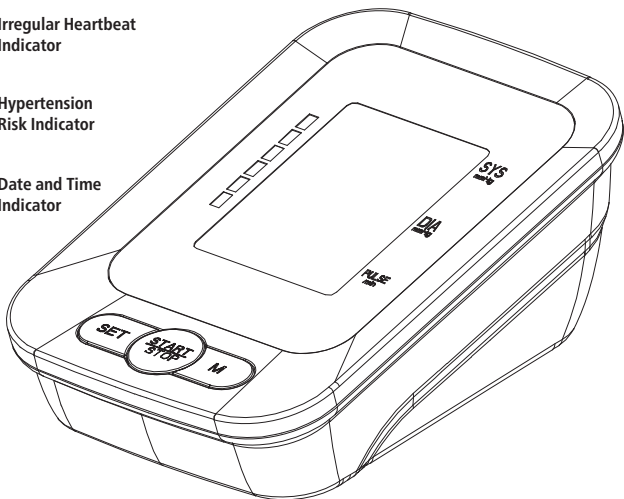
Irregular Heartbeat  
Indicator



Hypertension  
Risk Indicator



Date and Time  
Indicator





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Thank you for purchasing the EssentiA+ Blood Pressure Monitor. By selecting this product, you have chosen a high quality, innovative device. Before using the EssentiA+ Blood Pressure Monitor for the first time, please read through this manual carefully. If you still have any questions regarding its use, visit the Physio Logic website at [www.amgphysiologic.com](http://www.amgphysiologic.com) or contact our Customer Service team at 1-800-363-2381.

## IMPORTANT INFORMATION

Readings taken by the Physio Logic® EssentiA+ are equivalent to those obtained by a trained healthcare professional using the cuff and stethoscope auscultation method. This manual contains important safety and care information, and provides step by step instructions for using the product. Read this manual thoroughly before using the device.

Your physician's reading may sometimes differ from your home readings. This could be related to a phenomenon known as "white coat syndrome". **You should not assume that any single reading taken is your usual blood pressure.**

In fact, **blood pressure varies constantly throughout the day.** Common activities affect your level of heart activity and stress, thereby influencing your blood pressure.

**Note:** This product is designed for home blood pressure monitoring and does not require the assistance of a healthcare professional.

The device is intended for usage by one person. It is important that you take home readings regularly, and that you follow the procedures and precautions mentioned in the instruction manual. Consistently recording/charting your readings, along with regularly consulting a health professional, is an important aspect of your overall blood pressure management program.

## IMPORTANT INFORMATION

### ATTENTION

- This Blood Pressure Monitor does not replace examination by a physician. Your doctor is the one person best qualified to interpret your results, we recommend that you keep a blood pressure journal to bring to your visits with your healthcare professional.
- This device is intended for adult at home use only.
- This device is intended for non-invasive measuring and monitoring of arterial blood pressure. It is not intended for use on extremities other than the arm or for functions other than obtaining a blood pressure measurement.
- Do not confuse self-monitoring with self-diagnosis. This unit allows you to monitor your blood pressure. Do not begin or end medical treatment based solely on readings obtained from this device. As the patient is the intended operator, always consult a physician before starting any treatment.
- If you are taking medication, consult your physician to determine the most appropriate time to measure your blood pressure. Never change a prescribed medication without consulting your doctor.
- Individuals with serious circulation problems may experience discomfort. Consult your physician prior to use.
- People with vascular constriction, liver disorders or diabetes, people with cardiac pacemakers or a weak pulse, and women who are pregnant should consult their physician before measuring their blood pressure themselves.
- The cuff should not be applied over a wound as this can cause further injury.
- DO NOT attach the cuff to a limb being used for IV infusions or any other intravascular access, therapy or an arterio-venous (A-V) shunt. The cuff inflation can temporarily block blood flow, potentially causing harm.
- The cuff should not be placed on the arm same side of a mastectomy. In the case of a double mastectomy, use the side of the least dominant arm.
- If the cuff pressure exceeds 37.24 kPa (280 mmHg), the unit will automatically deflate. Should the cuff not deflate when pressure exceeds 37.24 kPa (280 mmHg), detach the cuff from the arm and press the (START/STOP) button to stop inflation.
- Do not disassemble, attempt to repair, or perform any maintenance to the unit while the device is in use.
- Do not drop the unit. Protect it from sudden shock.
- Do not insert foreign objects into any openings.

## IMPORTANT INFORMATION

### ATTENTION

- Do not crush the cuff.
- If the unit has been stored at temperatures below 0°C, leave it at room temperature for about 2 hours before using it. Otherwise, the cuff may not inflate properly.
- If the unit has been stored at temperatures above 40°C, leave it at room temperature for about 2 hours before using it. Otherwise, the cuff may not inflate properly.
- Replacing the cuff with an alternate model may result in measurement error.
- Do not subject the monitor to extreme hot or cold temperatures, humidity or direct sunlight. Do not store the unit in direct sunlight, high humidity or dust.
- Product is designed for its intended use only. Do not misuse in any way.
- Product is not intended for children or persons with special needs.
- To avoid any possibility of accidental strangulation, keep this unit away from children and do not drape tubing around your neck.
- Keep product out of reach of children. Some parts are small and may represent a choking hazard.
- Prolonged over-inflation of the bladder may cause ecchymoma of your arm.
- Only use A.M.G Medical Inc. authorized parts and accessories. Parts and accessories not approved for use with the device may damage the unit. Retrofitting the device will void the warranty.
- Some may get a skin irritation from the cuff taking frequent readings over the course of the day, but this irritation typically goes away on its own after the monitor is removed.
- The system might produce incorrect readings if stored or used outside the manufacturer's specified temperature and humidity ranges.
- Remove batteries from device when not in operation for more than 3 months.
- Dispose batteries properly; observe local laws and regulations.
- The PC with connection to the device with USB shall meet the requirements of standard IEC 60601-1 or IEC 60950-1.

## IMPORTANT INFORMATION

### ATTENTION

- Do not use the device near strong electrical or electromagnetic fields generated by cell phones or other devices, they may cause incorrect readings and interference or become interference source to the device. Do not use the device during transport outside healthcare facility for interference source existing as well.
- To assure the correct use of the EssentiA+ BP monitor, basic safety measures should always be followed including the warning and precautions listed in this booklet. **Carefully read this manual before using the product.**

## ABOUT BLOOD PRESSURE

### Blood Pressure Standard

The Joint National Committee on prevention, detection, evaluation, and treatment of high blood pressure has developed a blood pressure standard, according to which areas of low and high risk blood pressure are identified. This standard is a guideline as blood pressure varies among different people and different age groups. It is important that you consult with your physician regularly. Your physician will tell you your normal blood pressure range, as well as the point at which you will be considered at risk.

### Blood Pressure for Adults Age 18 and Older

Category	Systolic (mmHg)		Diastolic (mmHg)
Stage 2 Hypertension	> 160	or	> 100
Stage 1 Hypertension	140-159	or	90-99
Prehypertension	120-139	or	80-89
Normal	< 120	and	< 80

## ABOUT BLOOD PRESSURE

### Blood Pressure Classification Indicator (WHO)

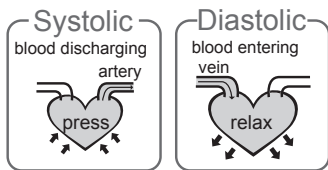
Your monitor includes a classification indicator based on established guidelines from the World Health Organization (WHO). The chart below (colour coded on unit) indicates test results.

■	Severe Hypertension (Red)
■	Moderate Hypertension (Orange)
■	Mild Hypertension (Yellow)
■	High-Normal (Green)
■	Normal (Green)
■	Optimal (Green)

### What is systolic and diastolic pressure?

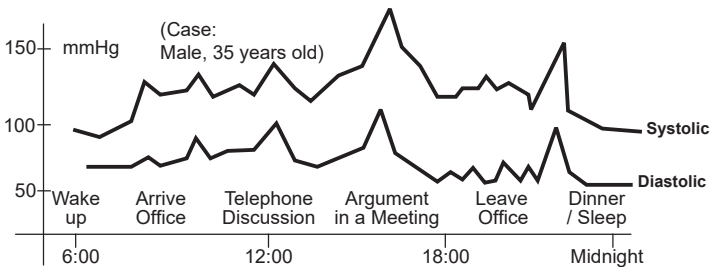
When ventricles contract and pump blood out of the heart, blood pressure reaches its maximum value. The highest pressure in the cycle is known as **systolic pressure**.

When the heart relaxes between heartbeats, the lowest blood pressure is **diastolic pressure**.



### Blood Pressure Fluctuation

Blood pressure fluctuates all the time. You should not be overly worried if you encounter two or three measurements at high levels. Blood pressure changes throughout the day.





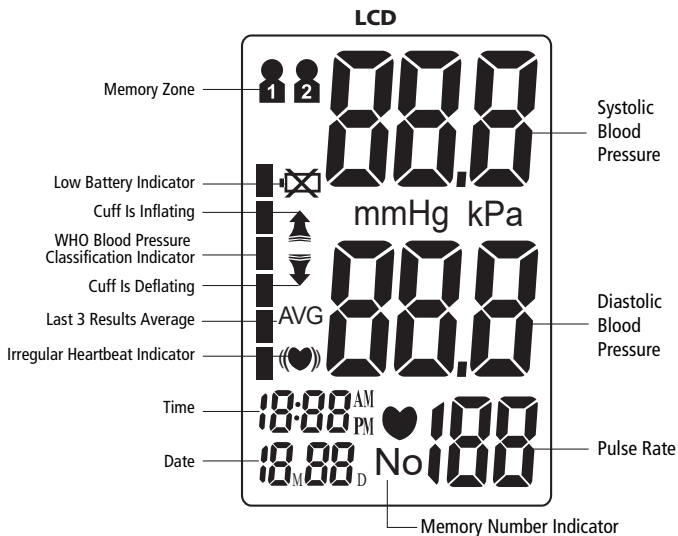
## MEASUREMENT TIPS

### Important Notes

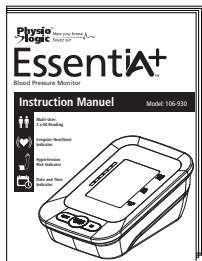
**Here are a few helpful tips to help you obtain more accurate readings:**

- Blood pressure changes with every heartbeat and is in constant fluctuation throughout the day.
- Blood pressure recording can be affected by the position of the user, his or her physiological condition and other factors. For greatest accuracy, avoid exercising, bathing, eating, drinking beverages with alcohol or caffeine, or smoking one hour prior to measuring blood pressure.
- Before measurement, it's suggested that you sit quietly for 15 minutes as measurement taken during a relaxed state will have greater accuracy. You should not be physically tired or exhausted when taking a measurement.
- Do not take measurements if you are under stress or tension.
- During measurement, do not talk or move your arm or hand muscles.
- Take your blood pressure at normal body temperature. If you are feeling cold or hot, wait a while before taking a measurement.
- If the monitor is stored at very low temperature (near freezing), have it placed at a warm location for at least two hours before using it.
- Wait about 5 minutes before taking the next measurement.

## YOUR BP MONITOR



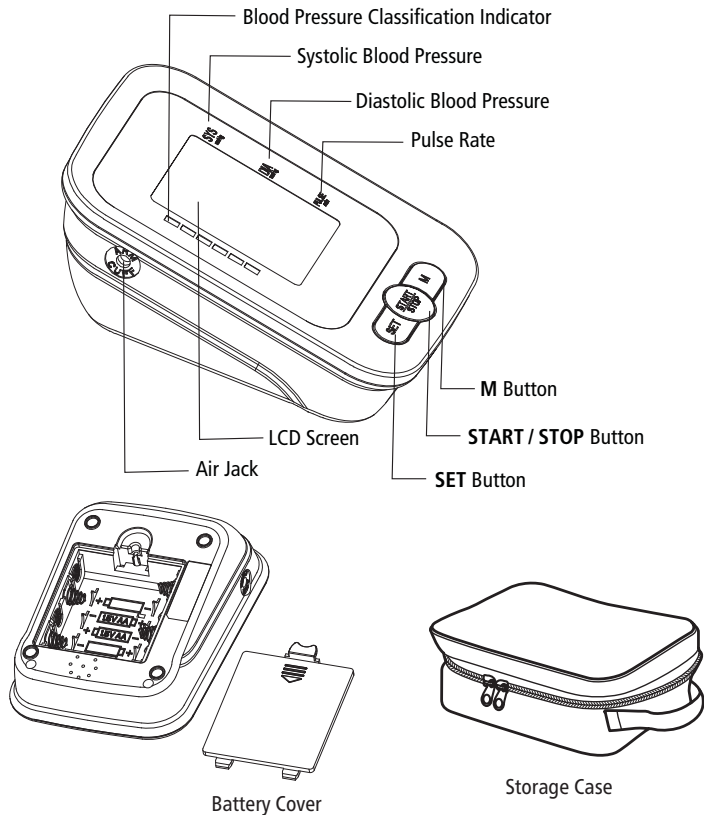
## Arm Cuff



Instruction Manual

## YOUR MONITOR

### Unit Layout



## POWER OPTIONS

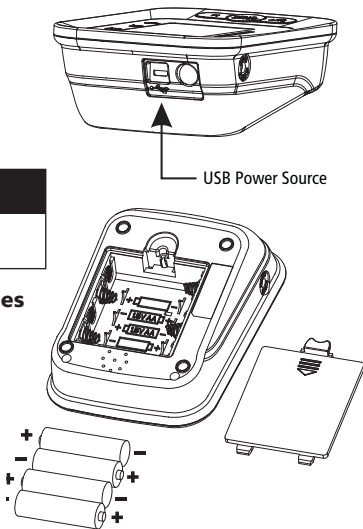
- Battery: 4 x AA alkaline batteries
- USB Power Source  
(Cable not included)

### ⚠ CAUTION


Do not use any other type of battery as it may harm the unit.

## Installing and Replacing Batteries

1. Slide off the battery cover.
2. Install the batteries by matching the correct polarity, as shown.
3. Close the cover.




## Low Battery Indicator

4 short warning beeps sound when battery life is depleting and unable to inflate cuff for testing. The  appears simultaneously for approximately 5 seconds prior to shutting off. Replace batteries at this time. No memory loss will occur throughout this process.

### ⚠ CAUTION

Replace the batteries if any of the following should occur:

- The  indicator appears
- The display appears dim
- The display does not light up

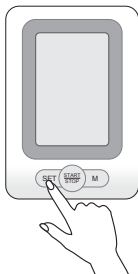
**Note:** Remove the batteries if the unit will not be used for an extended period of time. Always replace all the batteries with new ones at the same time.

## GETTING STARTED

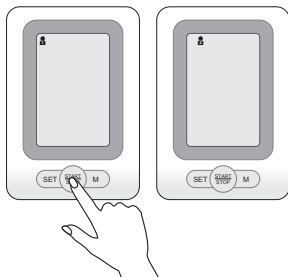
### Selecting Memory Zone and Setting Date, Time, and Unit of Measurement

It is important to set the time before using your blood pressure monitor, so that a time stamp can be assigned to each reading that is stored in the memory.

1. With power off, press "SET" button to activate system settings mode. The Memory Group icon flashes.

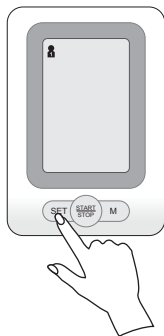


2. Press "M" button to choose a group setting. Test results will automatically be stored in the selected group. ***There are 2 zones, each zone can store up to 60 readings.***



## GETTING STARTED

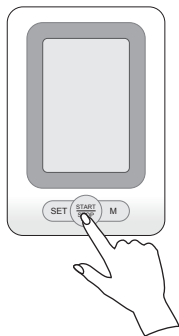
3. After selecting your memory zone, press SET to automatically move to the next step.



4. Set the month first by pressing the "M" button. Then Press the "SET" button to confirm. Continue with the same step for the day, hour, and minute. Every time the "SET" button is pressed, it will lock your selection.



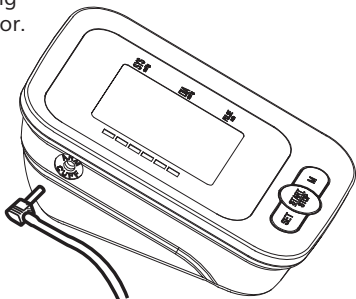
5. After the unit is set, press the power button to turn off the unit and save all current settings.



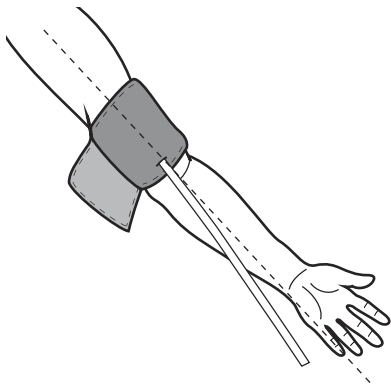
## MEASUREMENT

### Prepare the Cuff

1. Firmly insert air plug into opening located on left side of the monitor.



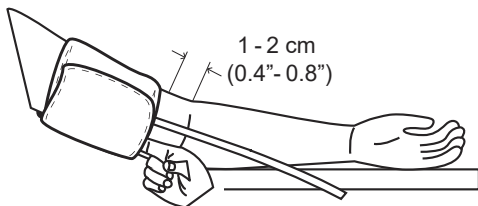
2. Wrap the cuff around your upper left arm. The tube should be aligned to point toward your little finger, as illustrated.



## MEASUREMENT

### Prepare the Cuff

- The cuff should be snug, but not too tight. (You should be able to insert one finger between the cuff and your arm). Keep a space of 1 - 2 cm (0.4" - 0.8") between the cuff edge and your elbow.



- Sit comfortably with your left arm resting on a flat surface and the cuff at heart level.



### CAUTION

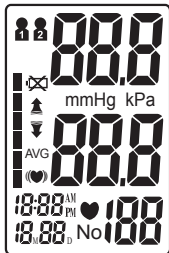
If the pressure in the arm cuff becomes too powerful while testing, press the START/STOP button to turn power off. The cuff will rapidly deflate once the unit is turned off.



## MEASUREMENT

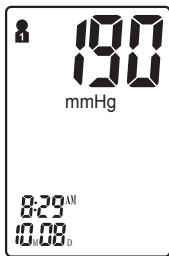
### Start the Measurement

1. Press and hold the START/STOP button until a beep sounds. The LCD screen will light up followed by a long tone which indicates the device is ready for testing.



2. Initial pressure is first pumped to 190mmHg. The unit will automatically adjust to one of four pressure levels based on the current user's blood pressure.

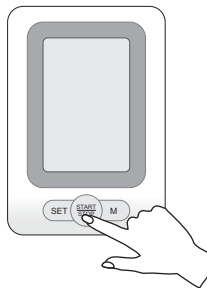
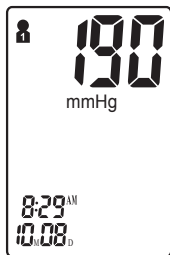
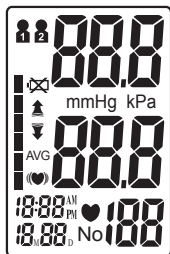
Levels: 190mmHg  
220mmHg  
250mmHg  
280mmHg



## MEASUREMENT

### Start the Measurement

- Once inflated, the cuff will slowly deflate and measure your blood pressure. A flashing "♥" will appear simultaneously on screen signaling heart beat detection.
- When testing is complete the monitor will sound three short beeps. The screen will display your systolic and diastolic blood pressure. The reading will be automatically stored in the selected memory zone.
- To take another reading press the "START/STOP" button twice.



### NOTE

- It is recommended to wait at least 5 minutes between measurements for accurate results.
- If unit is left ON and not in use for 3 minutes, it will automatically save all information and shut off.

## MEASUREMENT

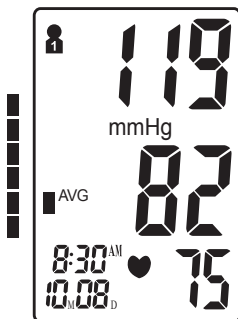
### Test Average

With power off, press the “M” button to activate screen display. After the unit performs a self diagnosis, the screen will display the average test results from the last 3 readings of the last memory zone used. The “AVG” symbol will appear along with the corresponding Blood Pressure Indicator. Press the “M” button again, and the screen will display the average of the last seven days test results from 5:00 am–8:59 am. Press the “M” button again, and the screen will display the average of the last seven days test results for evening readings between 18:00 pm– 19:59 pm.

To check the average results from another memory group, select the desired group first prior to activating the “M” button in the off position. (See Select Memory Group on page 11)

### Irregular Heartbeat Indicator

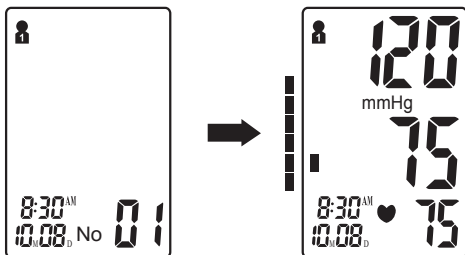
If the monitor detects an irregular heart rhythm two or more times during the measuring process, the Irregular Heartbeat Symbol “♥” appears on screen along with measurement results. Irregular heartbeat rhythm is defined as rhythm that is either 25% slower or faster than the average rhythm detected while measuring systolic and diastolic blood pressure. Consult your physician if the Irregular Heartbeat Symbol “♥” appears frequently with your test results.



## USING THE MEMORY

### Memory Check

You may check past test results by using the “M” button. The most recent and oldest test result in memory can be viewed by pressing and holding the “M” button. Upon activating test results you can press the “M” button to scroll through all test results stored in memory.



If the number of tests surpasses the allotted 60 memories per group, the most recent tests will appear first, thus eliminating the oldest readings.

### NOTE

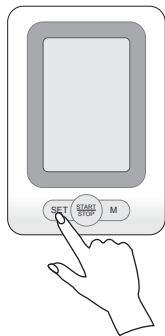
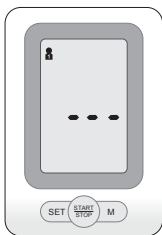
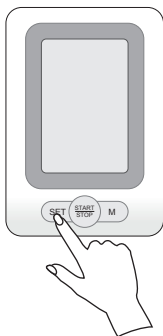
Past readings will only be displayed from the most recently used memory zone. To check past test results in another memory zone, you must first select the desired zone and then turn monitor off. (See “Select Memory Zone” on page 11)

## USING THE MEMORY

### To Delete All Records From Memory

You can clear the memory for the selected group while in memory check mode by following the steps listed below.

1. Press and hold the "SET" button for 3 seconds.
2. The monitor will beep indicating successful deletion and then move into testing mode.
3. To take another reading press the "START/STOP" button twice.



### CAUTION

Readings can not be recovered once deleted.

## TIPS FOR TAKING ACCURATE READINGS



Wait at least 1 hour after eating or drinking before taking a measurement.



Avoid taking readings immediately after having tea, coffee or smoking.



Wait at least 1 hour after taking a bath before taking a measurement.



Avoid talking or moving your fingers when taking a measurement.



Avoid taking a measurement in a very cold environment.



Avoid taking a measurement when you need to use the bathroom.

## MAINTENANCE

### How to clean and care for your blood pressure monitor.



Store in a dry place and avoid exposing to hot or cold temperatures, humidity or direct sunlight.



Avoid contact with water, wipe away any moisture with a dry cloth.



Avoid intense shaking or dropping unit.



Avoid storing the unit in dusty or extreme temperature environments.



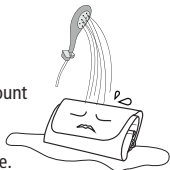
Use a damp cloth to clean your blood pressure unit.

#### Cuff Cleaning:

Do not submerge the cuff in water.

Apply a small amount of rubbing alcohol to a soft cloth to clean cuff's surface.

Use a damp cloth (water-based) to wipe clean. Allow cuff to dry naturally at room temperature. **The cuff must be cleaned and disinfected before use between different individuals.**



- In order to prevent poor performance due to sensor aging, it is recommended the performance should be checked every 2 years on blood pressure unit.
- Expected service life of device: Approximately three years, at 10 tests per day.

## TROUBLESHOOTING

The table below indicates how to solve common problems that you may encounter when using this monitor. If the product is not operating as you think it should, please check here first before calling customer service.

PROBLEM	CAUSE
<b>Blood pressure results are not within typical range</b>	Cuff is too tight or not properly positioned on the arm
	Inaccurate test results due to body or monitor movement
<b>"Err" Displayed</b>	Cuff fails to inflate properly
	Improper operation
	Pressure is over 300 mmHg



**SOLUTION**

Firmly reposition cuff approximately 1 - 2 cm (0.4" - 0.8") above the elbow joint.

Sit in a relaxed position with arm placed near heart. Avoid speaking or moving body parts while testing. Make sure the monitor unit is placed in a stationary position throughout the measurement period.


Make sure air tube is properly attached to cuff and monitor unit.

Read user manual carefully and retest properly.

Read user manual carefully and retest properly.

## Specifications

Product Description	Arm-Type Fully Automatic Blood Pressure Monitor	
Model	Essentia <sup>®</sup>	
Display	LCD Digital Display Size: 84.1mmx55.1mm (3.31" x 2.17")	
Measurement Method	Oscillometric Method	
Measurement Range	Systolic Pressure	60mmHg~280mmHg
	Diastolic Pressure	30mmHg~200mmHg
	Pressure	0mmHg~300mmHg
	Pressure	±3mmHg or ±2% above 200mmHg
	Pulse	30 ~ 180 Beats/Minute
	Pulse	±5%
Pressurization	Automatic Pressurization	
Memory	120 readings in Two Groups with Date and Time	
Function	Irregular Heartbeat Detection	
	WHO Classification Indicator	
	Results Average	
	Low Battery Indicator	
	Automatic Power-Off	
Power Source	4 AA batteries or USB Power Source 5v 1000 mA	
USB Cable	Micro-USB-B Input: 100-240 V~, 50/60 Hz, 0.25 A - Output: 5VDC, 1000 mA	
Battery Life	Approximately 2 months at 3 tests per day	
Unit Weight	Approximately 382g (13.47 oz.) (excluding battery)	
Unit Dimensions	Approximately 148 x 100 x 56mm (5.83"x 3.94"x 2.21") (LxWxH)	
Cuff Circumference	Approximately 135 (W) x 485 (L) mm Universal cuff: Fits arm circumference 22 - 42 cm (8.6" - 16.5")	
Operating Environment	Temperature	10 °C ~ 40 °C (50 °F~104 °F)
	Humidity	15%~93%RH
	Pressure	700hPa~1060hPa

Storage Environment	Temperature:	-25 °C ~ 70 °C (-13 °F~158 °F)
	Humidity	≤93% RH
Classification:	Internal Powered Equipment, Type BF  .	
Ingress Protection Rating:	IP20, Indoor Use Only	

Specifications are subject to change without notice.

### International Standards:

1. IEC 60601-1-2:2014 - Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests
2. EN 60601-1-2: 2015 - Medical electrical equipment. General requirements for basic safety and essential performance. Collateral Standard. Electromagnetic disturbances. Requirements and tests.
3. IEC 60601-1-11:2015 - Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment.
4. Electromagnetic Compatibility: This device fulfills the stipulations of the International Standard IEC 60601-1-2

## Disposal

- Please dispose of the device, components and optional accessories in accordance with local regulations. Unlawful disposal may cause environmental pollution. (Waste Electrical and Electronic Equipment).
- Contact your local distributor for information regarding disposal of the unit.

## Electromagnetic Compatibility Information

The device satisfies the EMC requirements of the international standard IEC 60601-1-2. The requirements are satisfied under the conditions described in the table below. The device is an electrical medical product and is subject to special precautionary measures with regard to EMC which must be published in the instructions for use. Portable and mobile HF communications equipment can affect the device. Use of the unit in conjunction with non-approved accessories can affect the device negatively and alter the electromagnetic compatibility. The device should not be used directly adjacent to or between other electrical equipment.

**Table 1**

Guidance and declaration of manufacturer-electromagnetic emissions		
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.		
Emissions test	Compliance	Electromagnetic environment-guidance
Radiated emission CISPR 11	Group 1, class B.	The device uses RF energy only for its internal function. Therefore, its emissions are very low and are not likely to cause any interference in nearby electronic equipment.
Conducted emission CISPR 11	Group 1, class B.	The device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies	


## Electromagnetic Compatibility Information

**Table 2**

Guidance and declaration of manufacturer-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 60601 test level	Compliance level	Electromagnetic environment -guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV contact ±2 kV,±4 kV, ±8 kV, ±15 kV air	± 8 kV contact ±2 kV,±4 kV, ±8 kV, ±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 30%.
Electrostatic transient/burst IEC 61000-4-4	± 2 kV , 100kHz, for AC power port	± 2 kV , 100kHz, for AC power port	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±0.5kV, ±1kV (differential mode)	±0.5kV, ±1kV (differential mode)	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % UT; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at 0° 0 % UT; 250/300 cycle	0 % UT; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at 0° 0 % UT; 250/300 cycle	Mains power quality should be that of a typical commercial or hospital environment.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m; 50Hz or 60Hz	30 A/m; 50Hz or 60Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

## Electromagnetic Compatibility Information

**Table 3**

Guidance and declaration of manufacturer-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 60601 test level	Compliance level	Electromagnetic environment -guidance
Conducted RF IEC 61000-4-6	3V for 0.15-80MHz; 6V in ISM and amateur radio bands between 0.15-80MHz	3V for 0.15-80MHz; 6V in ISM and amateur radio bands between 0.15-80MHz	Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.
Radiated RF IEC 61000-4-3	385MHz, 27V/m	385MHz, 27V/m	<p>Recommended separation distance</p> $d = \left[ \frac{3.5}{E_1} \right] \sqrt{P} \quad 80 \text{ MHz to } 800 \text{ MHz}$ $d = \left[ \frac{7}{E_1} \right] \sqrt{P} \quad 800 \text{ MHz to } 2.7 \text{ GHz}$ <p>Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electro magnetic site survey, a should be less than the compliance level in each frequency range.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
	450MHz, 28V/m	450MHz, 28V/m	
	710MHz,745 MHz,780MHz 9V/m	710MHz,745 MHz,780MHz 9V/m	
	810MHz,870 MHz,930MHz 28V/m	810MHz,870 MHz,930MHz 28V/m	
	1720MHz, 1845 MHz,1970MHz 28V/m	1720MHz, 1845 MHz,1970MHz 28V/m	
	2450MHz, 28V/m	2450MHz, 28V/m	
	5240MHz,5500 MHz,5785MHz 9V/m	5240MHz,5500 MHz,5785MHz 9V/m	

## Electromagnetic Compatibility Information

**Table 4**

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 therefore 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	
	80 MHz to 800 MHz $d = \left[\frac{3.5}{E_1}\right]\sqrt{P}$	800 MHz to 2.7 GHz $d = \left[\frac{7}{E_1}\right]\sqrt{P}$
0.01	0.12	0.23
0.1	0.38	0.73
1	1.2	2.3
10	3.8	7.3
100	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance $d$ in metres (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.		
<p><b>NOTE 1:</b> At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.</p> <p><b>NOTE 2:</b> These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p>		

## LIFETIME LIMITED WARRANTY

A.M.G. Medical Inc. warrants this product to be free from defects in material and workmanship. This warranty is valid for the original purchaser only. Any alterations, abuse, misuse or accidental damage voids this warranty. For replacement or repair under warranty, please call: 1-800-363-2381, Monday to Friday, 8:30 AM to 5:00 PM EST.

### The following voids the warranty:

- A) All damage which has arisen due to improper treatment.  
For example, nonobservance of the user instructions.
- B) Do not disassemble or attempt to repair the unit or components.  
All damage which is due to repairs or tampering by the customer or unauthorized third parties.
- C) Damage which has arisen during transport from the manufacturer to the consumer or during transport to the service centre.


For any questions concerning this product, please call: **1-800-363-2381** or visit our website at **[www.amgphysiologic.com/product/essentia-plus-blood-pressure-monitor/](http://www.amgphysiologic.com/product/essentia-plus-blood-pressure-monitor/)**



**NOTES:**



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