



User Manual

LTE Blood Pressure Monitor

Model 900-LTE



Contact Information
support@pylo.com or chat via www.pylo.com.

Distributed by:
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version: 1.0

Thank you for choosing Pylo Health!

This manual outlines how to use your Pylo blood pressure monitor safely and correctly. Please be sure to read it thoroughly and keep it for future reference!

技术要求:

- 1、黏合不可露胶
- 2、保持印刷面板上的清洁
- 3、注意套印的准确性
- 4、表面处理不可爆开
- 5、须满足RoHS、Reach的环保要求
- 6、结构工艺以结构受控图为准
- 7、颜色参考:

广东乐心医疗电子股份有限公司

2023-09-20

受控文件

产品型号	TMB-2092-Ga-202	材质	105g哑粉纸	零件名称	
产品名称	血压计	尺寸	210*145mm (折后105*145 mm)	2BF005042R-TMB-2092-Ga-202-GB-04-说明书-A0	
对应结构图纸	-	印色	CMYK		
	比例	1:1	表面处理	零件图号	
	单位	mm	设计	TMB-2092-Ga-202-GB-04	
Transtek 广东乐心医疗电子股份有限公司		审核	徐紫燕 2023-09-20	共 1 张	第 1 张
		批准	徐紫燕 2023-09-20	版 本	A/0

TABLE OF CONTENTS

INTRODUCTION	3
General Description	
Indications for Use	
Contraindications	
Measurement Principle	
Safety Information	
Display and Symbols	
Name of Each Part	
Contents/Product Includes	
BEFORE YOU START	10
The Choice of Power Supply	
Installing and Replacing the Batteries	
MEASUREMENT	12
Applying the cuff	
A: Using Single Measurement Mode	
B: Using Triple Measurement Mode	
INFORMATION FOR USER	17
Tips for measurement	
Maintenances	
ABOUT BLOOD PRESSURE	19
What are systolic pressure and diastolic pressure?	
What is the standard blood pressure classification?	
Irregular heartbeat detector	
Why does my blood pressure fluctuate throughout the day?	
Why do I get a different blood pressure at home compared to the hospital ?	
Is the result the same if measuring on the right arm?	
TROUBLESHOOTING	22
SPECIFICATIONS	23
AUTHORIZED COMPONENT	24
EMC GUIDANCE	25
FCC STATEMENT	28

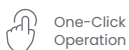
INTRODUCTION

General Description

Thank you for choosing the Pylo 900-LTE Blood Pressure Monitor. Prior to use, check that the device packaging has not been tampered with that all contents are present. Before use, ensure that there is no visible damage to the device or accessories and that all packaging material has been removed. If you have any doubts, contact Pylo prior to using your new device.

This manual includes important information on using your Blood Pressure Monitor safely and correctly. Please be sure to keep the manual handy for future reference.

900-LTE key features include:



One-Click
Operation



Remote Care,
Any Time, Anywhere



AC Adaptor available
(not included)



Antimicrobial activity
rate >99.9%,
Latex free



Measurement
Reminder

Indications for Use

The Pylo 900-LTE Blood Pressure Monitor is a digital monitor intended for use in measuring blood pressure and heartbeat rate with arm circumference ranging from 22 cm to 45 cm. It is intended for adult indoor use only. The device can be used to detect irregular heartbeat.

Contraindications

1. Consult a medical professional before using this device if you have an implanted cardiac device, such as a pacemaker or defibrillator.
2. Consult a medical professional before using this device during pregnancy.

Measurement Principle

This product uses the Oscillometric Measuring method to detect blood pressure. Before every measurement, the unit establishes a "zero pressure" equivalent to the atmospheric pressure. Then it starts inflating the arm cuff while simultaneously detecting pressure oscillations generated by beat-to-beat pulsatile, which is used to determine the systolic pressure, diastolic pressure and the pulse rate.

INTRODUCTION

Safety Information

The symbols below may be used in the user manual, labeling or other component. They are the requirements of standards and usage.

	Refer to instruction manual/booklet To signify that the instruction manual/ booklet must be read.		Type BF applied part
	Consult instructions for use or consult electronic instructions for use		Serial Number
	Direct Current		Polarity of d.c. power connector
	Class II Equipment		For indoor use only
	Batch code		Date of manufacture
	Atmospheric pressure limitation		Temperature limit
	General symbol for recovery/recyclable		Humidity limitation
	MR Unsafe To identify an item which poses unacceptable risks to the patient, medical staff or other persons within the MR environment.		
	Caution Indicates that caution is necessary when operating the device or control close to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences.		
	The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.		

INTRODUCTION

⚠ CAUTION

- * This device is intended for indoor use.
- * This device is portable, but it is not intended for use during patient transport.
- * This device is not suitable for continuous monitoring during medical emergencies or operations
- * This device is intended for noninvasive measuring and monitoring of arterial blood pressure. It is not intended for use on extremities other than the arm, or for any purpose other than obtaining a blood pressure measurement.
- * This device is for adults. Do not use this device on neonates or infants. Do not use it on children unless otherwise instructed by a medical professional.
- * The effectiveness of this device has not been established for use:
 - on users in pregnant, including pre-eclamptic, patients,
 - on users with implanted, electrical devices, such as a pacemaker or defibrillator,
 - on users with common arrhythmias such as atria ventricular, premature beats or atrial fibrillation,
 - on users with peripheral arterial disease,
 - on users undergoing intravascular therapy, or with arteriovenous (AV) shunt, Consult a medical professional before use.
- * Do not use this device for diagnosis or treatment of any health problem or disease. Contact your physician if you have or suspect any medical problem. Do not change your medications without the advice of your physician or health care professional.
- * If you are taking medication, consult your physician to determine the proper time to measure your blood pressure.
- * This device may be used only for the intended use described in this manual, the manufacturer shall have no liability for any incidental, consequential, or special damages caused by misuse or abuse.
- * Report any unexpected operation or events to the manufacturer.
- * Do not apply the cuff on an arm that has an intravenous drip or a blood transfusion attached.
- * Warning: Do not kink, fold, stretch, compress, or otherwise deform the tube during measuring, as the cuff pressure might continuously increase, which could prevent blood flow and result injury.
- * Warning: Taking blood pressure measurements too frequently could disrupt blood circulation and cause injuries.
- * Warning: Do not apply cuff to areas on patient where skin is delicate or damaged. Check cuff site frequently for irritation.
- * Warning: Do not place the cuff on the arm of a person whose arteries or veins are undergoing medical treatment, i.e. intra-vascular access or intra-vascular therapy or an arteriovenous (A-V) shunt, which could disrupt blood circulation and cause injuries.
- * Do not place the cuff on the arm on the same side of a mastectomy (especially when lymph nodes have been removed). It is recommended to take measurements on the unaffected side.
- * Do not wrap the cuff on the same arm to which another monitoring device is applied. One or both devices could temporarily stop functioning if you try to use them at the same time.
- * Please check that the operation of the device do not result in prolonged impairment of patient blood circulation.
- * Warning: On the rare occasion of a fault causing the cuff to remain fully inflated during measurement, loosen and remove the cuff immediately. Prolonged high pressure applied to the arm (cuff pressure >300 mmHg or constant pressure >15 mmHg for more than 3 minutes) might lead to bruising and discolored skin.
- * Warning: Do not use this device with high-frequency (HF) surgical equipment at the same time.

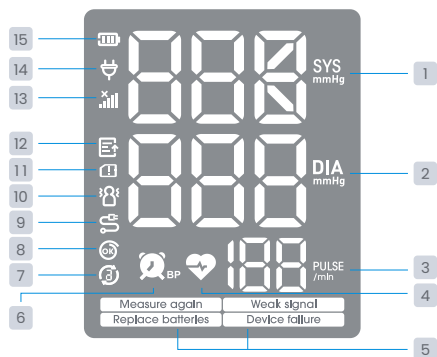
INTRODUCTION



⚠ CAUTION

- * Warning: This device is not AP/APG equipment. Do not use the device where flammable anesthetic are present, or in environments mixture with air of with oxygen or nitrous oxide.
- * The device contains sensitive electronic components. To avoid measurement errors, avoid taking blood pressure measurements near a strong electromagnetic field radiated interference signal or electrical fast transient/burst signal.
- * Wireless communication equipment, such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies may cause interference that may affect the accuracy of measurements. A minimum distance of 1 foot (30 cm) should be kept from such devices during a measurement.
- * You can use this device to take your own measurement, no third-party operator is required.
- * Please use the device under the environment which is provided in the user manual. Otherwise, the performance and lifetime of the device will be impacted and reduced.
- * The device may require up to 30 minutes to warm up / cool down from the minimum / maximum storage temperature before it is ready for use.
- * Warning: Excessive cuff tube lengths could cause strangulation if you don't manage them properly.
- * Warning: Do not touch output of the batteries/adaptor and the user simultaneously.
- * Adaptor is specified as a part of ME EQUIPMENT.
- * Warning: The power cord is considered the disconnect device for isolating this equipment from supply mains. Do not position the equipment so that it is difficult to reach or disconnect.
- * The blood pressure monitor, its adaptor, and the cuff are suitable for use within the patient environment.
- * Warning: Do not use this device if you are allergic to polyester, nylon, or plastic.
- * Warning: Only use accessories approved by manufacturer. Using unapproved accessories might cause damage to the unit and injure users.
- * Warning: If you experience discomfort during a measurement, such as pain in the arm or other complaints, press the Power button immediately to release the air from the cuff.
- * No calibration is required within two years of reliable service.
- * Do not attempt to repair the unit yourself if it malfunctions. Only have repairs carried out by authorized service centers.
- * At the request of authorized service personnel, circuit diagrams, component part lists, descriptions, and calibration procedures will be made available by the manufacturer or distributor.
- * It is recommended that the performance should be checked after repair, maintenance, and every two years of use, by retesting the requirements in limits of the error of the cuff pressure indication and air leakage (testing at least at 50 mmHg and 200 mmHg).
- * Warning: Do not use the device while under maintenance, or being serviced.
- * Store your device, cuff and adaptor in a clean and dry place, protect it against extreme moisture, heat, lint, dust and direct sunlight. Never place any heavy objects on it.
- * Make sure the rubber tube of the cuff is not squeezed, stretched, or kinked during storage.
- * Warning: Keep the device, cuff, and batteries away from children as they may pose a risk of choking or strangulation if used improperly.
- * Clean both device and cuff with a soft, dry cloth. If necessary use a dampened cloth and natural detergent. Do not use alcohol, benzene, or other harsh chemicals.
- * Do not wash the cuff in a washing machine or dishwasher!
- * The lifetime of the cuff may vary by the frequency of washing, skin condition, and storage state. The typical lifetime is 10000 times.
- * Dispose of accessories, detachable parts, and the device according to the local guidelines.











INTRODUCTION

Display and Symbols



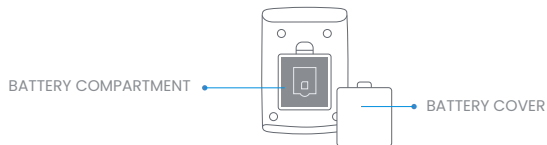
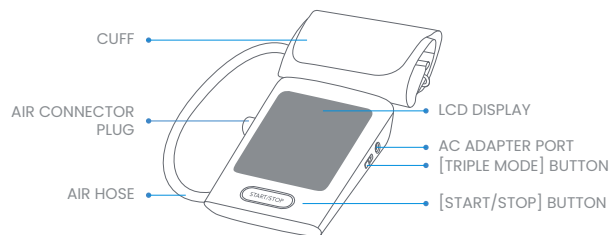
SYMBOL	EXPLANATION
1	Systolic blood pressure reading
2	Diastolic blood pressure reading
3	Pulse display
4	 <p>Irregular heartbeat symbol Appears when detected during a measurement. Refer to page 20 for more information.</p>
5	Warning messages, refer to page 22 for more information.
6	 <p>Measurement reminder icon Appears on the display to help remind the user to take their blood pressure each day.</p>

INTRODUCTION

SYMBOL	EXPLANATION
7	 <p>Triple Measurement icon Indicates the current measurement mode is [Triple Mode], and which measurement progress (1) (2) (3) it is.</p>
8	 <p>Cuff wearing detection icon will appear if the cuff is not wrapped or wrapped too loose or a leak of the cuff is detected when measuring.</p>
9	 <p>Cuff abnormal icon Appears when the air connector plug is not properly plugged in.</p>
10	 <p>Excessive body motion detector icon Appears when talking, moving, or shaking of the arm with the cuff on is detected during a measurement. NOTE: The measured blood pressure reading may not be accurate when this symbol is displayed with the reading.</p>
11	 <p>SIM card error icon Appears when the SIM card is abnormal or the SIM is not properly plugged in.</p>
12	 <p>Data pending to transmit icon Appears when the data transmission failed. Up to 500 measurements can be temporarily saved on the device and send to your account when the Cellular internet is available.</p>
13	 <p>Signal indication icon Indicates no cellular coverage or cellular connection error.</p>
14	 <p>Adapter Insert Indicator Appears when the power is supplied from the adapter.</p>
15	 <p>Battery Indicator Indicate the current battery.</p>
	 <p>Low battery symbol Indicate the battery is too low when appears with Replace batteries.</p>

INTRODUCTION

Name of Each Part



Contents/Product Includes

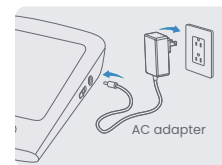
- 1 LTE Blood Pressure Monitor (900-LTE)
- 1 Cuff (Type BF applied part)
 - 22-45 cm (8.6-17.7 inch) upper arm cuff
- 1 User Manual
- 1 Quick Start Guide
- 4 "AA" size batteries
(Batteries were installed in the device)

BEFORE YOU START

The Choice of Power Supply

1. DC 6V, 4 AA size batteries
2. AC adapter, 6V $\overline{\text{---}}$ 1A

Please only use the AC adapter authorized by the manufacturer! (Not included)
Please unplug the adapter to depart from the using utility power, when you finish the measurement.



⚠ CAUTION

In order to get the best effect and protect your monitor, please use the right batteries or special power adapter which complies with local safety standard.


Installing and Replacing the Batteries

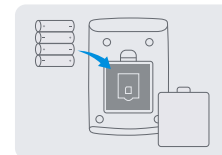
Please pull the plastic insulating strip before first use. The batteries were installed.

- Slide off the battery cover.
- Replace 4 AA size batteries according to the polarity indications inside the battery compartment.
- Place back the battery cover.



Replace the batteries whenever the below happens.

- **Replace batteries**  appear on the LCD display.
- The display dims.
- The display does not light up.



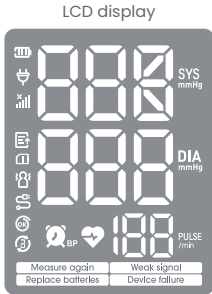
⚠ CAUTION

- Do not use new and used batteries together.
- Do not use different types of batteries together.
- Do not dispose the batteries in fire. Batteries may explode or leak.
- Remove batteries if the device is not likely to be used for some time.
- Worn batteries are harmful to the environment. Do not dispose with daily garbage.
- Remove the old batteries from the device following your local recycling guidelines.

BEFORE YOU START

Initial Powering On

When you insert or replace batteries into the device, the LCD displays as below first, and then it will turn off after about 5 seconds.



Once powered on, the device will search and pair with the mobile network automatically. If unsuccessful, the monitor will stop searching and enter standby mode. In this case, the monitor will continue trying to pair in the background until successful.

Measurement Reminder Function

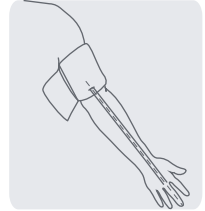
This device is equipped with a measurement reminder function. Your healthcare provider may configure reminders on your device remotely according to your treatment plan.

When enabled, the blue LED around the device button will light up and slowly blink until a measurement is taken. Your healthcare provider can configure up to 3 of these reminders per day, so be sure to take your blood pressure when you see the reminder function activate!

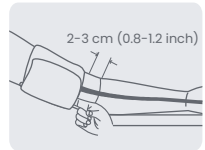
MEASUREMENT

Applying the cuff

1. Remove all jewelry, such as watches and bracelets from your left arm.
Note: If your doctor has diagnosed you with poor circulation in your left arm, use your right arm.
2. Roll or push up your sleeve to expose the skin. Make sure your sleeve is not too tight.
3. Hold your arm with palm facing up and tie the cuff on your upper arm, then align the air tube toward the center of your arm.



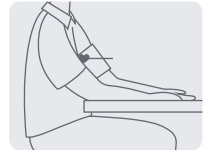
4. Make sure the bottom edge of the arm cuff is around 1 inch (2-3 cm) above your inside elbow, then wrap the cuff securely.



Note: The cuff should be snug but not too tight. You should be able to insert one finger between the cuff and your arm.

5. Sit upright in a comfortable chair with your back against the backrest of the chair. Keep your feet flat and your legs uncrossed.

Place your arm resting comfortably on a flat table. The cuff worn on your arm should be placed at the same level as your right atrium of the heart.



6. Take 5-6 deep breaths and start a measurement!

Helpful tips to help ensure an accurate reading

- Take the measurement in a silent room.
- Rest for 5 minutes before a measurement.
- Be relaxed, Remain still and DO NOT talk while taking a measurement.
- For a meaningful comparison, try to measure under similar conditions. For example, take daily measurements at approximately the same time, on the same arm, or as directed by a physician.

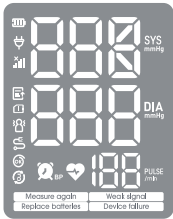
MEASUREMENT

A: Using Single Measurement Mode

When the "TRIPLE MODE" slider switch is located on "1", the monitor is in the Single Measurement mode.

Press the "START/STOP" button to turn on the device and begin a measurement. Once turned on, the device will complete the whole measurement process automatically using the following process:

1. LCD display



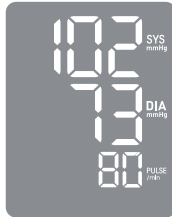
2. Adjust the zero point




3. Inflating and measuring






4. Display the measured result




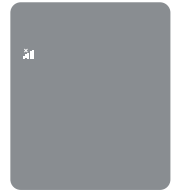
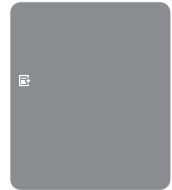
MEASUREMENT

After the measurement, the data transmission process starts. The symbol  will appear on the LCD.

If successful, the symbol  will disappear and the LCD will display  and the device will power itself off shortly afterwards.

During the data transmission, if the data transmission error or server connection error occurs, the symbol  will appear on the LCD. In this case, up to 500 measurements will be saved on the device to be sent when the cellular network is available. Refer to page 22 for more information.

During the data transmission, if no cellular coverage or cellular connection error occurs, the symbol  will appear on the LCD. Refer to page 22 for more information.



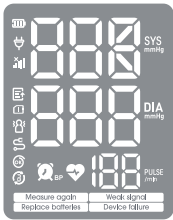
MEASUREMENT

B: Using Triple Measurement Mode

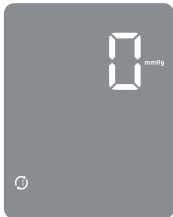
When the "TRIPLE MODE" button is located on "3", the monitor is under the Triple mode.

Press the "START/STOP" button to turn on the device and begin a measurement. Once turned on, the device will complete the whole measurement process automatically using the following process:

LCD display



Display the zero point



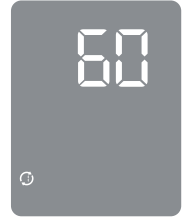
Inflating and measuring



MEASUREMENT

2. When the first measurement is done, it won't show the results right away. Instead, the device will count down and start the second measurement after 60 seconds.

Try to limit your movement and relax during this process.



3. The device will repeat the process until all three measurements are recorded. Once completed, the LCD will display the average of the 3 readings.

Tip:
If the measurement fails in the process of the Triple Measurement Mode, it will report an error and repeat the current measurement. If the error occurs for 3 times in a row, the Triple Measurement will automatically quit.



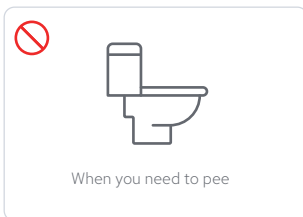
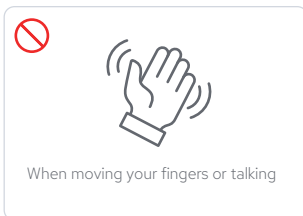
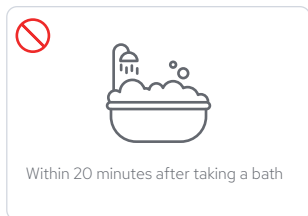
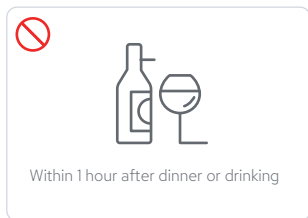
4. After the measurement, it will repeat the data transmission steps as described on page 14.

Tip:
You can press the "START/STOP" button to stop the measurement any time.

INFORMATION FOR USER

Tips for Measurement

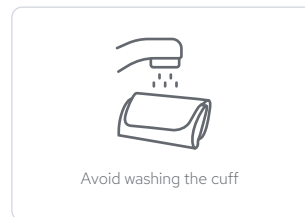
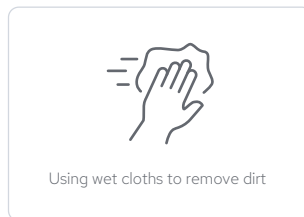
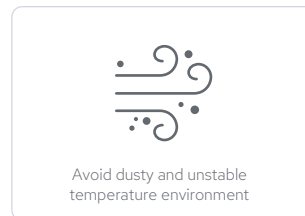
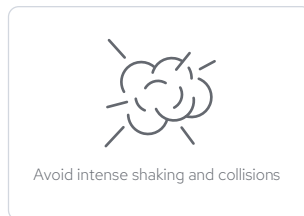
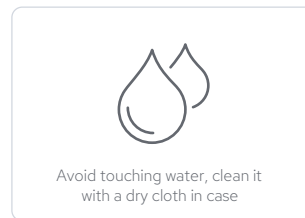
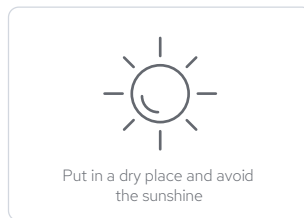
Avoid the following circumstances to help ensure your measurements are accurate:



INFORMATION FOR USER

Maintenance

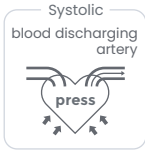
In order to get the best performance, please follow the instructions below.



ABOUT BLOOD PRESSURE

What is systolic pressure and diastolic pressure?

When ventricles contract and pump blood out of the heart, the blood pressure reaches its maximum value in heart beat cycle, which is called systolic pressure. When the ventricles relax, the blood pressure reaches its minimum value in the cycle, which is called diastolic pressure.



What is the standard blood pressure classification?

The following chart is the standard blood pressure classification published by the American Heart Association (AHA).

This chart reflects blood pressure categories defined by American Heart Association.

Blood Pressure Category	Systolic mmHg (upper#)		Diastolic mmHg (lower#)
Normal	less than 120	and	less than 80
Elevated	120-129	and	less than 80
High Blood Pressure (Hypertension) Stage 1	130-139	or	80-89
High Blood Pressure (Hypertension) Stage 2	140 or higher	or	90 or higher
Hypertensive Crisis (Consult your doctor immediately)	Higher than 180	and/or	Higher than 120

ABOUT BLOOD PRESSURE


CAUTION

Only a physician can tell your normal BP range. Please contact a physician if your measuring result falls out of the range. Please note that only a physician can tell whether your blood pressure value has reached a dangerous point.

Irregular Heartbeat Detector

An irregular heartbeat is detected when a heartbeat rhythm varies while the unit is measuring the systolic and diastolic blood pressure. During each measurement, the monitor records all the pulse intervals and calculate the average; if there are two or more pulse intervals, the difference between each interval and the average is more than the average value of $\pm 25\%$, or there are four or more pulse intervals, the difference between each interval and the average is more than the average value of $\pm 15\%$, the irregular heartbeat symbol appears on the display when the measurement results are appeared.

CAUTION

The appearance of the IHB icon  indicates that a pulse irregularity consistent with an irregular heart-beat was detected during measurement. Usually this is NOT a cause for concern. However, if the symbol appears often, we recommend you seek medical advice. Please note that the device does not replace a cardiac examination, but serves to detect pulse irregularities at an early stage.

ABOUT BLOOD PRESSURE

Why does my blood pressure fluctuate throughout the day?

1. Individual blood pressure naturally varies throughout the day. It is also affected by the way you tie your cuff and your measurement position, so please take the measurement under the same conditions around the same time each day.
2. Be sure to note any medications you are taking that might affect your blood pressure.
3. Wait at least 3 minutes between each measurement.

Why do I get different blood pressure at home compared to the hospital?

The blood pressure is different even throughout the day due to weather, emotion, exercise etc. Also, there is the “white coat” effect, which means blood pressure usually increases in clinical settings.

What you need to pay attention to when you measure your blood pressure at home:

If the cuff is tied properly.

If the cuff is too tight or too loose.

If the cuff is tied on the upper arm.

If you feel anxious.

Taking 2-3 deep breaths before beginning will be better for measuring.












Advice: Relax yourself for 4-5 minutes until you calm down before measuring.

Is the result the same if measuring on the right arm?

It is ok to use either arm, but there will be some difference in results for some people.

We suggest you measure the same arm every time.

TROUBLESHOOTING

PROBLEM	DISPLAY	CHECK THIS	REMEDY
No power	Display can not light up.	Batteries are exhausted.	Replace with new batteries.
		Batteries are installed incorrectly or Adapter is not plugged in properly.	Install the batteries or plug in the adapter properly.
DC Power Error		The DC supply voltage is too high or too low.	Replace with the authorized adapter.
Low Battery	 Replace batteries	The battery is too low.	Replace with new batteries.
Error message		The cuff is not wrapped or wrapped too loose.	Wrap and fasten the cuff and measure again.
		The air connector plug is not properly plugged in or a leak is detected.	Insert the air tube plug correctly, then measure again. If the issue persists, check the cuff for leaks.
	 Measure again	Excessive body motion (such as shaking of the arm with the cuff on) is detected.	Relax and then measure again. When the issue persists twice, E81 will display on the LCD. Please contact customer support.
	 Measure again	Pulse is not detected during measuring.	Relax and then measure again. When the issue persists twice, E81 will display on the LCD, please contact customer support or contact your physician.
	 Measure again	Out of measurement range	Move to another area, preferably closer to a window, try again. Use the device at a location where you get strong cellular signal with your mobile phone. If the issue persists, contact customer support.
		Data transmission error or Server connection error	
	 Weak signal	No cellular coverage or Cellular connection error	
		SIM card is not detected or SIM card is abnormal.	If the issue persists, contact customer support.
	Hardware error	Retake measurement. If the issue persists, contact customer support.	

NOTE: If the product still does not work, contact the Customer Service. Under no circumstance should you disassemble or attempt to repair the unit by yourself.

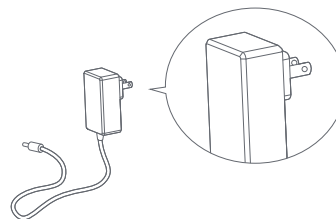
SPECIFICATIONS

External dimensions	Approx. 148.3 mm × 100.5 mm × 52 mm
Display mode	Digital LCD V.A. 79 mm × 93 mm
Weight	Approx. 325 g (Excluding the batteries and cuff)
Measurement mode	Oscillographic testing mode
Mode of operation	Continuous operation
Measurement range	Rated cuff pressure: 0 mmHg ~ 299 mmHg Measurement pressure: SYS: 60 mmHg ~ 230 mmHg DIA: 40 mmHg ~ 130 mmHg Pulse value: (40-199) beat/minute
Accuracy	Pressure: 41°F-104°F within ±3 mmHg Pulse value: ±5%
Normal working condition	Temperature: +41°F to +104°F Relative humidity: 15% to 90%, non-condensing, but not requiring a water vapour partial pressure greater than 50 hPa Atmospheric pressure: 700 hPa to 1060 hPa
Storage condition & transportation condition	Temperature: -4°F to +140°F Relative humidity: ≤93%, non-condensing, at a water vapour pressure up to 50 hPa Atmospheric pressure: 500 hPa to 1060 hPa
Measurement perimeter of the upper arm	About 22-45 cm (8.6-17.7 inch)
Degree of protection	Type BF applied part
Device Classification	Battery Powered Mode: Internally Powered ME Equipment AC Adaptor Powered Mode: Class II ME Equipment
Protection against ingress of water	IP21, It means the device could be protected against solid foreign objects of 12.5 mm φ and greater, and against vertically falling water drops.
Expected Lifetime	5 years or 10000 measurements (may vary based on usage conditions)

WARNING: No modification of this equipment is allowed.

AUTHORIZED COMPONENT

Please use the authorized adapter (Not included).



Adapter

Type: BLJ06L060100P-U

Input: 100-240V, 50-60Hz, 0.2A max

Output: 6V $\overline{\overline{\text{---}}}$ 1000 mA

EMC GUIDANCE

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare environments.

Warning: Don't be near the active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Warning: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

Warning: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the equipment 900-LTE including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Technical description:

- All necessary instructions for maintaining BASIC SAFETY and ESSENTIAL PERFOR - MANCE with regard to electromagnetic disturbances for the expected lifetime.
- Guidance and manufacturer's declaration-electromagnetic emissions and Immunity.

Table 1

Guidance and manufacturer's declaration - electromagnetic emissions	
Emissions test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Harmonic emissions IEC 61000-3-2	Class A
Voltage fluctuations/flicker emissions IEC 61000-3-3	Comply

EMC GUIDANCE

Table 2

Guidance and manufacturer's declaration - electromagnetic Immunity		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
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
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV signal input/output 100 kHz repetition frequency	±2 kV for power supply lines NA 100 kHz repetition frequency
Surge IEC61000-4-5	±0.5 kV, ±1 kV, differential mode ±0.5 kV, ±1 kV, ±2 kV common mode	±0.5 kV, ±1 kV differential mode N/A
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
Power frequency magnetic field IEC 61000-4-8	30 A/m 50 Hz / 60 Hz	30 A/m 50 Hz / 60 Hz
Conducted RF IEC61000-4-6	3 V 0,15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80% AM at 1 kHz	3 V 0,15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80% AM at 1 kHz
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz	10 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz

NOTE U_i is the a.c. mains voltage prior to application of the test level.

Table 3

Guidance and manufacturer's declaration – electromagnetic Immunity								
Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
	385	380-390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27	27
	450	430-470	GMRS 460, FRS 460	FM ± 5k Hz deviation 1 kHz sine	2	0.3	28	28
	710	704-787	LTE Band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9	9
	745							
	780							
	810	800-960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28	28
	870							
	930							
	1720							
	1845	1700-1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	2	0.3	28	28
	1970							
	2450	2400-2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28	28
	5240	5100-5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9	9
	5500							
	5785							

FCC ID: OU9TMB2092-G

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.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 radio/TV technician for help.

FCC Radiation Exposure Statement:

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.