

Requests from Manufacturer	
Make sure there is no connection tubing kinking before start mea avoid any injury to patient.	suring to
For any patient, do not measure more than 3 times continuously, it at least above 5 minutes of interval rest between any two meas otherwise will cause extravasated blood.	
Do not measure your blood pressure over 6 times each day.	
Do not apply the cuff over a wound as this can cause further injur	у.
Do not measure on the wrist which is on the side of a mastectomy it could cause injury.	, otherwise
Observe the air pressure value from the LCD display.	
When measuring, it could not exceed 280 mmHg, otherwise Plea "on/off" button to stop	se press
Do not use force to bend the wrist cuff or the air tube.	
Do not knock or drop the main unit.	
Always use the specified accessories in the manual, the use of o	ther parts

of disposal of potentially bio

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hazardous parts and accessories.

-The PATIENT is an intended OPERATOR.

Will cause the unit to function erroneously.

blood pressure monitor.

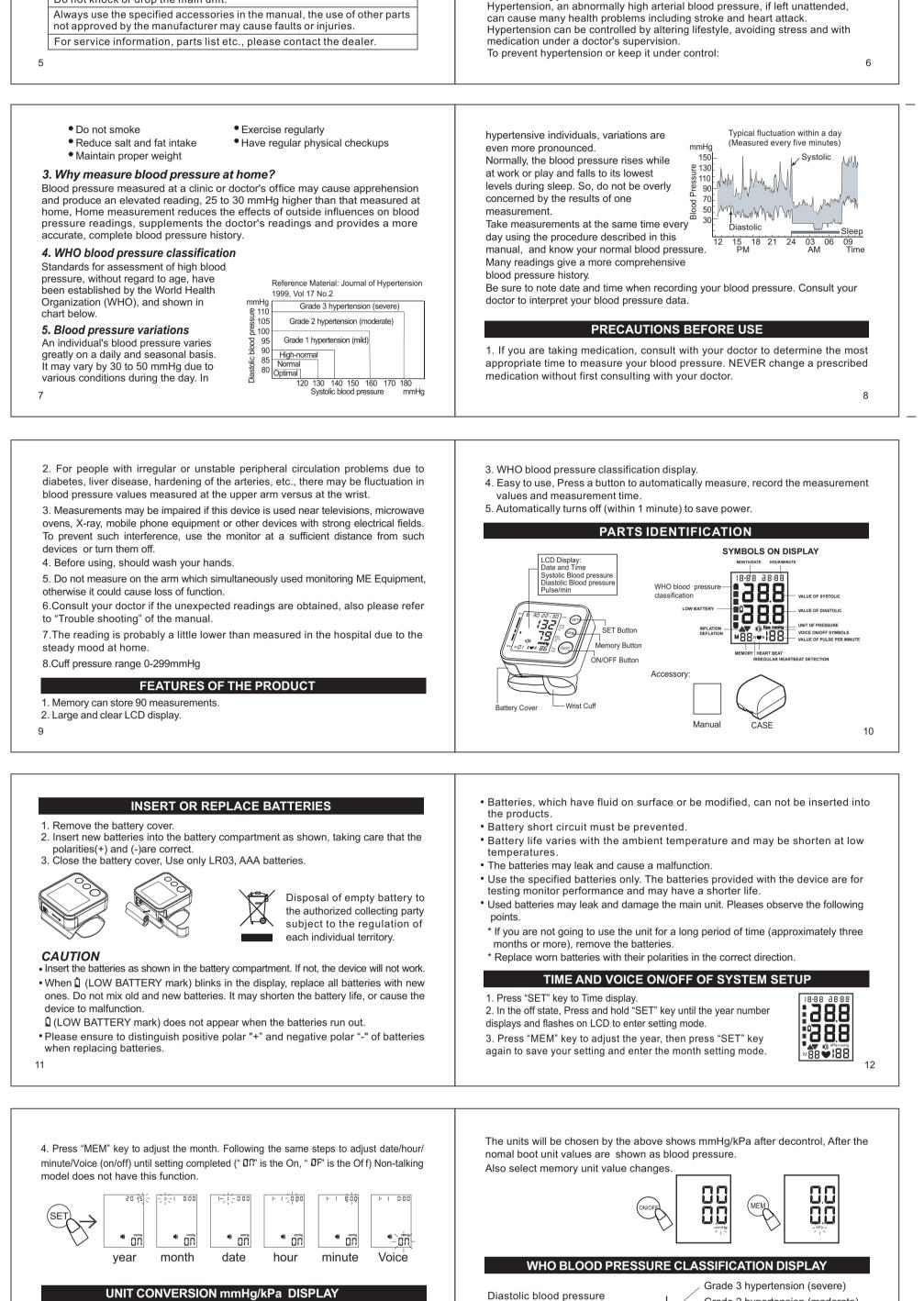
- -Not servicing and maintenance while the ME EQUIPMENT is in use. -The user can maintain the product, the maintenance method is described in
- the maintenance instructions of manual.
- -Stop using the equipment immediately, if it is in contact with water.

ABOUT BLOOD PRESSURE

1. What is blood pressure? Blood pressure is the force exerted by blood against the walls of the arteries. Systolic pressure occurs when the heart contracts. Diastolic 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.

2. What is hypertension and how is it controlled?



The goods have mm Hg(mmHg), kPa (kPa) two kinds of blood pressure display units(mmHg factory to express).

Press "ON / OFF" button for 10 seconds to display unit switching interface, then press "MEM" key to select mmHg / KPa, press "ON / OFF" button to exit.

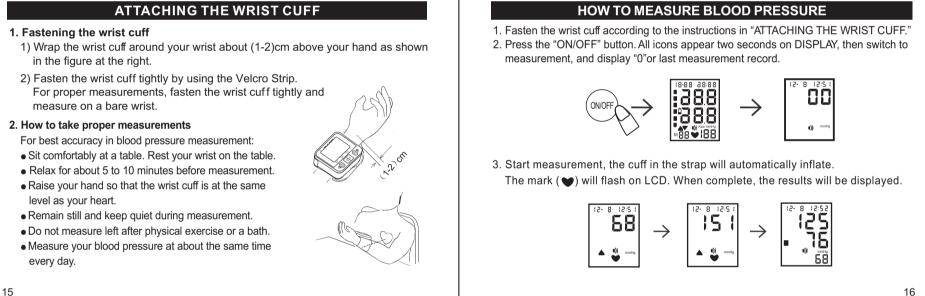
Grade 2 hypertension (moderate)

Grade 1 hypertension (mild)

High-normal

Normal

Optimal



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READ MEMORY

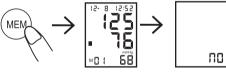
Press " MEM " button to inquire memory average values " RUS "Average Value Display: the latest 3 groups of memory average values (Memory values are displayed regardless of period).

Press "MEM" button, a memory reading out the latest measurements ,"MEM" for the buttons(UP). "SET" button for the memory (DOWN)

Power Measurement closure or after the end of the state .can press the "MEM" button read out the latest measurement of memory.

DELETE MEMORY

The state read out the memory press the (memory) button five seconds, the LCD display "III" has been to delete all memory.



CLEAN AND MAINTENANCE

- 1.Keep this device in the case provided with the device when you do not use it.
- 2.Do not fold the arm cuff too tightly.
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Measuring Method	Oscillometric Measurement
Indication	Digital LCD display
Measuring Range:	Pressure:(30~280)mmHg Pulse:(40~199)Beat/min
Accuracy:	Static Pressure: \pm 3mmHg Pulse: \pm 5%
Memory:	90 Memories
Power supply:	2x1.5V Batteries(LR03 or AAA) use alkaline battery, measure above 200 times
Operating condition:	+5°C~+40°C. 15%RH~93%RH Atmospheric pressure: 70kPa~106kPa
Storage condition:	-20°C~+55°C. 0%RH~93%RH Atmospheric pressure:50kPa~106kPa
Dimensions:	Approx: 72(W)X67(H)X30(D)mm
Weight:	Approx: 130g, excluding batteries
Classification	Type BF
Wrist circumference	(13.5~19.5)cm

* Specifications may be changed without notice in the event of improvement being made. 19

E1:can't normally Increase pressure	Check your wrist cuff if any air leakage	Replace wrist cuff with new one		
E3 inflate pressure too high	Pressure value of more than 299mmHg	Re-measurement or send back dealer for re-calibrate pressure		
E2E4:have shaking while measurement	Hand or body shaking while measurement	keeping static and correct gesture to measure again		
Battery icon on	Battery low power	Replace battery and measure again		
The systolic pressure Value or diastolic Pressure value too high	1.The wrist cuff was held lower than your heart			
	2. The wrist cuff was not attached properly	keeping correct position and gesture to measure again		
	3.You moved your body or spoke during measurement			
The systolic pressure Value or diastolic	1.The wrist cuff was held higher than your heart	Ŭ		
Pressure value too low	2.you moved your body or Spoke during measurement			

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Guidance and manufacturer's declaration - electromagnetic immunity

6. The clean steps for the cuff is provided as following. * Completely wipe the inner side (the side that contacts skin) of the cuff with a soft cloth lightly

3. Clean the monitor with a soft dry cloth. Do not use any cleaning solution.

5.Store the device and the components in a clean and safe location.

moistened with 75% Ethyl alcohol 3 times. Replace the soft cloth after each wipe.

4.Do not submerge the device or any components in water

* Then air dry the cuff.

- CAUTION * Do not submerge the device or any of the components in water.
- Do not subject the monitor to extreme hot or cold temperatures
- humidity or direct sunlight.

Reference material: journal of

hypertension 1999. vol 17 No.2

- * Store the device and the components in a clean, safe location. * Do not subject the monitor to strong shocks, such as dropping the unit on the floor.
- * Remove the batteries if the unit will not be used for three months or longer. Always replace all the batteries with new ones at the same time.
- This product is designed for use over an extended period of time; however, it is generally recommended that it be inspected and calibrated every two years to ensure proper function and performance. * See the Calibration Method for more details.

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- 1. Type of protection against electric shock: INTERNALLY POWERED EQUIPMENT. 2.Degree or protection against electric shock: TYPE BF APPLIED PART.
- 3.Mode of operation: CONTINUOUS OPERATION
- 4. Equipment not suitable for category AP& APG equipment use in presence. STATEMENT

the system might not meet its performance specifications if stored or used outside the temperature and humidity as mentioned below: Operating conditions: +5°C~+40°C. 15%RH~93%RH 70kPa~106kPa

Storage conditions: -20°C~+55°C. 0%RH~93%RH

	TROUBLE SHOOTING					
	If you have trouble in using the unit please check the following points first.					
ERROR DISPLAY		POSSIBLE CAUSE	HOW TO CORRECT			
	Nothing is displayed When you push the	No battery installation	Insert batteries			
		Battery worn out	Replace new batteries			
	POWER button or ➡ Battery icon flash	The polarities of batteries placed wrongly	Insert battery in the correct polarities			

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Appendix 1 Guidance and Manufacturer Declaration Tables Guidance and manufacturer's declaration – electromagnetic emissions The Model PG-800A37 Series Electronic Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the user of the Model PG-800A37 Series Electronic Blood Pressure Monitor should assure that it is used in such an environment. Emissions Compliance Electromagnetic environment-guidance The Model PG-800A37 Series Electronic Blood **RF** emissions Group 1 Pressure Monitor uses RF energy only for its internal function. Therefore, its RF emissions CISPR 11 are very low and are not likely to cause any interference in nearby electronic equipment. **RF** emissions Class B The Model PG-800A37 Series Electronic Blood CISPR 11 Pressure Monitor is used in home and it's Harmonic powered by DC 3V N. A. emissions IEC 61000-3-2 Voltage N. A. fluctuations/flicker emissions IEC 61000-3-3

Guidance and manufacturer's declaration – electromagnetic immunity

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment- guidance	Immunity test	IEC 60601 test level	level	Electromagnetic environment - guidance
Electrostatic discharge (ESD)IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15KV 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 %.	Conducted RF IEC 61000-4-6	6 Vrms	N/A	Portable and mobile RF communication equipment should be used no closer to any part of the Model PG-800A37 Series Electronic Blood Pressure Monit including cables, than the recommende
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8		30 A/m, 50/60Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.				separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance
NOTE U _T is th	ne a.c. mains volta	age prior to applic	cation of the test level				$d = \left[\frac{3.5}{V_1}\right] \sqrt{P}$

	$d = \left[\frac{3.5}{E_1}\right] \sqrt{P} \text{80MHz to 800MHz}$	NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagatio is affected by absorption and reflection from structures, objects and people.
w ra au di F	$d = \left\lfloor \frac{7}{E_1} \right\rfloor \sqrt{P} \text{800MHz to 2.7GHz}$ where P is the maximum output power ating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres(m).	a The ISM (industrial, scientific and medical) bands between 0,15 MHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MHz and 80 MHz are 1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHZ, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.
si ca lr or	as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range ^b interference may occur in the vicinity of equipment marked with the following symbol: $(((\bullet)))$	b The compliance levels in the ISM frequency bands between 150 kHz and 80 MHz and in the frequency range 80 MHz to 2,7 GHz are intended to decrease the likelihood that mobile/portable communications equipment could cause interference if it is inadvertently brought into patient areas. For this reason, ar additional factor of 10/3 has been incorporated into the formulae used ir calculating the recommended separation distance for transmitters in these frequency ranges.

c Field strengths from fixed transmitters, such as base stations for radio (cellular/ cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Model PG-800A37 Series Electronic Blood Pressure Monitor is used exceeds the applicable RF compliance level above, the Model PG-800A37 Series Electronic Blood Pressure Monitor should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Model PG-800A37 Series Electronic Blood Pressure Monitor.

d Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Recommended separation distances between portable and mobile RF communications equipment and the Model PG-800A37 Series Electronic **Blood Pressure Monitor**

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use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Model PG-800A37 Series Electronic Blood Pressure Monitor can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Model PG-800A37 Series Electronic Blood Pressure Monitor as recommended below, according to the maximum output power of the communications equipment. Rated maximum Separation distance according to frequency of transmitter

The Model PG-800A37 Series Electronic Blood Pressure Monitor is intended for

150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.7 GHz	
$d = \left[\frac{3.5}{V_1}\right] \sqrt{P}$	$d = \left[\frac{3.5}{E_1}\right] \sqrt{P}$	$d = \left[\frac{7}{E_1}\right]\sqrt{P}$	
0.12	0.12	0.23	
0.38	0.38	0.73	
1.2	1.2	2.3	
3.8	3.8	7.3	
12	12	23	
	$d = [\frac{3.5}{V_1}]\sqrt{P}$ 0.12 0.38 1.2 3.8	$d = [\frac{3.5}{V_1}]\sqrt{P} \qquad d = [\frac{3.5}{E_1}]\sqrt{P}$ 0.12 0.38 0.38 1.2 1.2 3.8 3.8	

4. External input 50mmHg and 200mmHg standard static air pressure, and observe the air pressure value displayed at the position of the LCD systolic pressure (SYS) and the value of the digital pressure gauge should be in the range of +/-3mmHg.

Caution

1. ME devices can be used in exposed environments, including electromagnetic interference environment to ensure basic safety and basic performance unchanged. 2.In the event of any serious event related to this product, such as serious adverse event, significant alteration of the product resulting in change of intended use, etc., it will be reported to the manufacturer and the competent authorities of the user and/or the member states where the patient is located.

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Essential performance: Limits of the error of the manometer. ±3mmHg.Reproducibility of the blood pressure determination, ±3mmHg.

Clinical benefits: Accurate measurement of SBP and DBP, clinical performance meets the requirements of ISO 81060-2:2018.

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.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

CALIBRATION METHOD

1. Press and hold the "ON/OFF. MEM" button at the same time, load the battery, enter the static air pressure calibration mode after the LCD screen is fully displayed, and then release the button.

2. Press ON/OFF to close the internal air valve.

3. Connect the external standard barometric interface and the digital barometer interface to the cuff interface.

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