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INTRODUCTION

The Monitor uses the oscillometric method of blood pressure measurement. Intended for use by medical professionals or at home to monitor and display diastolic, systolic blood pressure and pulse rate on adult.

With an air wrist cuff buckled around one's wrist according to the instructions in the "ATTACHING THE WRIST CUFF."

The expected life of the product is 5 years.

The product complies with the electromagnetic compatibility requirement of IEC 60601-1-2 and safety standards of IEC 60601-1 and performance of IEC 80601-2-30 as specified in Regulation (EU)2017/745.

NOTES ON SAFETY

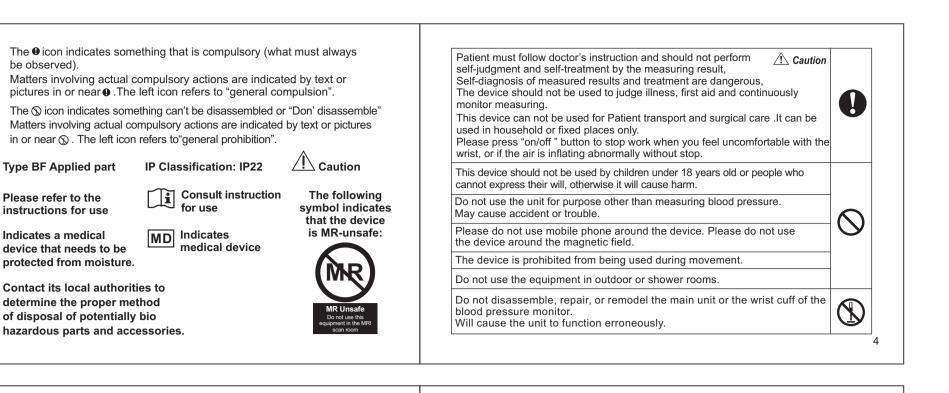
The warning signs and sample icons shown here are listed for your safe and correct use of the unit, so as to prevent injuries or damages to the device. * The icons and meanings are as follow.

Examples of signs The O icon indicates prohibitions (what you should not do).



Matters involving actual prohibitions are indicated by text or pictures in or near⊘. The left icon refers to "general prohibition".

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	Requests from Manufacturer
	Make sure there is no connection tubing kinking before start measuring to avoid any injury to patient.
į	For any patient, do not measure more than 3 times continuously, it should be at least above 5 minutes of interval rest between any two measurements, otherwise will cause extravasated blood.
I	Do not measure your blood pressure over 6 times each day.
I	Do not apply the cuff over a wound as this can cause further injury.
	Do not measure on the wrist which is on the side of a mastectomy, otherwise it could cause injury.
(Observe the air pressure value from the LCD display.
	When measuring, it could not exceed 280 mmHg, otherwise Please press "on/off " button to stop
I	Do not use force to bend the wrist cuff or the air tube.
I	Do not knock or drop the main unit.
	Always use the specified accessories in the manual, the use of other parts not approved by the manufacturer may cause faults or injuries.
	For service information, parts list etc., please contact the dealer.

- -The PATIENT is an intended OPERATOR.
- -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.

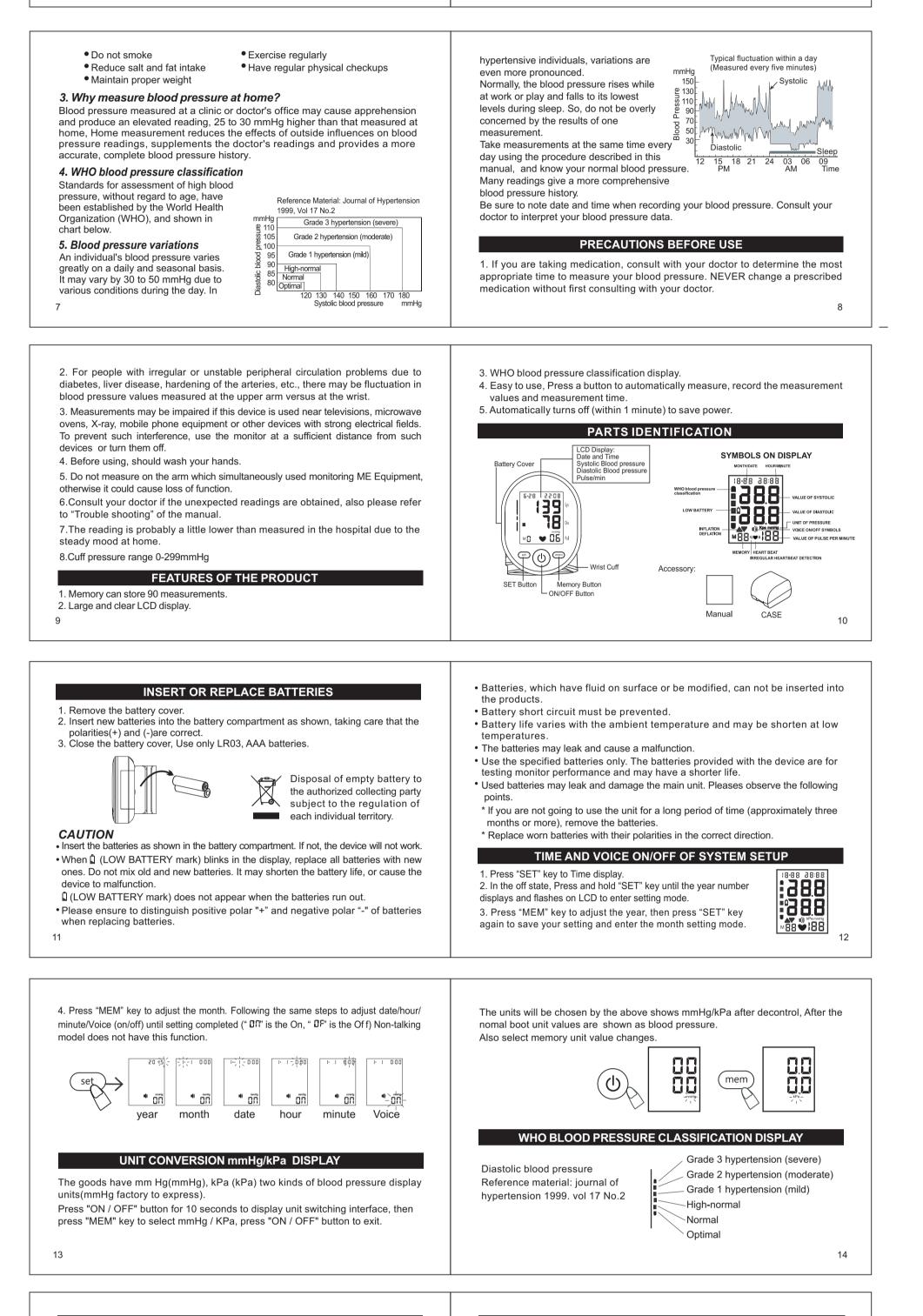
2. What is hypertension and how is it controlled? Hypertension, an abnormally high arterial blood pressure, if left unattended, can cause many health problems including stroke and heart attack. Hypertension can be controlled by altering lifestyle, avoiding stress and with medication under a doctor's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

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X

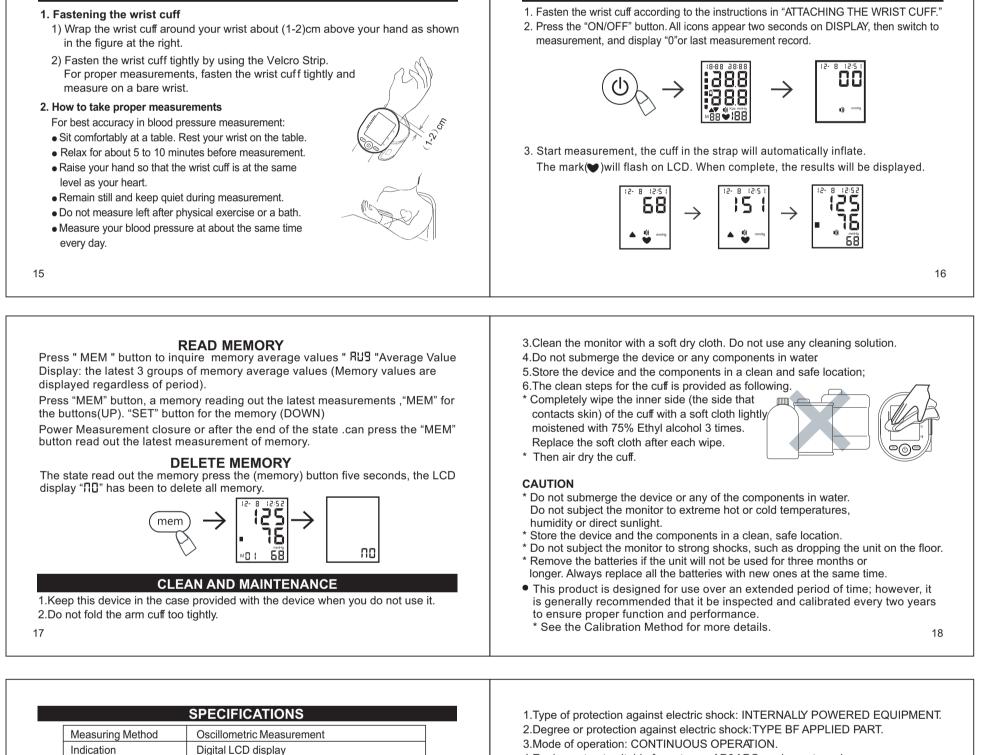
3

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ATTACHING	THE WRIST	CUF

HOW TO MEASURE BLOOD PRESSURE



4.Equipment not suitable for categoryAP&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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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	keeping correct position	
	2.The wrist cuff was not attached properly		
	3. You moved your body or spoke during measurement	and gesture to measure again	
The systolic pressure Value or diastolic	1.The wrist cuff was held higher than your heart	-	
Pressure value too low	2.you moved your body or Spoke during measurement		

Pressure:(30~280)mmHg

2x1.5V Batteries(LR03 or AAA)

+5°C~+40°C. 15%RH~93%RH

Static Pressure: \pm 3mmHg Pulse: \pm 5%

Atmospheric pressure: 70kPa~106kPa -20°C~+55°C. 0%RH~93%RH

Atmospheric pressure:50kPa~106kPa

Approx: 67(W)X87(H)X29(D)mm

Approx: 130g, excluding batteries

use alkaline battery, measure above 200 times.

Pulse:(40~199)Beat/min

90 Memories

Type BF

(13.5~19.5)cm * Specifications may be changed without notice in the event of improvement being made.

Measuring Range:

Accuracy:

Power supply:

Operating condition:

Storage condition:

Dimensions:

Classification

Wrist circumference

Weight:

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Memory:

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use in the elec user of the Mo	tromagnetic env	ironment specifie Series Electronic	Pressure Monitor is intended for ed below. The customer or the Blood Pressure Monitor should	use ir of the	n the elec e Model P	tromagnetic env	ronment sp s Electronic	lood Pressure Monitor is intended for ecified below. The customer or the user Blood Pressure Monitor should assure
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment- guidance	Immu	unity 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, ±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 %.		lucted RF 61000-4-6	80 MHZ outside	N/A	Portable and mobile RF communications equipment should be used no closer to any part of the Model PG-800A28 Series Electronic Blood Pressure Monitor, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance
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.			ISM bandsa		
NOTE U_{τ} is the	ne a.c. mains volta	age prior to applic	ation of the test level					$d = \left\lfloor \frac{3.5}{V_1} \right\rfloor \sqrt{P}$

Appendix 1 Guidance and Manufacturer Declaration Tables

		utacturer Declaration Tables		
Guidance and m	anufacturer's	declaration – electromagnetic emissions		
The Model PG-800A28 Series Electronic Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the user of the Model PG-800A28 Series Electronic Blood Pressure Monitor should assure that it is used in such an environment.				
Emissions	Compliance	Electromagnetic environment-guidance		
RF emissions CISPR 11	Group 1	The Model PG-800A28 Series Electronic Blood Pressure Monitor 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 CISPR 11	Class B	The Model PG-800A28 Series Electronic Blo Pressure Monitor is used in home and it's powered by DC 3V		
Harmonic emissions IEC 61000-3-2	N. A.			
Voltage fluctuations/flicker emissions IEC 61000-3-3	N. A.			

Radiated RF 10 V/m		$d = \left[\frac{3.5}{E}\right] \sqrt{P}$ 80MHz to 800MHz	NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.		
IEC 61000-4-3 80 MHz to 2.7 GHz	10 V/m	$a = \left[\frac{1}{E_1}\right] \forall P \text{SOIVINZ to SOUVINZ}$	NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation		
		$d = \left[\frac{7}{F}\right] \sqrt{P}$ 800MHz to 2.7GHz	is affected by absorption and reflection from structures, objects and people.		
		$u = \left\lfloor \frac{E_1}{E_1} \right\rfloor (1 - \frac{C_1}{C_1}) = 0$	a The ISM (industrial, scientific and medical) bands between 0,15 MHz and 80 MH		
		where P is the maximum output power	are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,28 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MH		
		rating of the transmitter in watts (W) according to the transmitter manufacturer	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,		
		and d is the recommended separation distance in metres(m).	MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,1 MHZ, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz an		
	Field strengths from fixed RF transmitters,	50,0 MHz to 54,0 MHz.			
		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, are additional factor of 10/3 has been incorporated into the formulae used in 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-800A28 Series Electronic Blood Pressure Monitor is used exceeds the applicable RF compliance level above, the Model PG-800A28 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-800A28 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-800A28 Series Electronic Blood Pressure Monitor

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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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in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Model PG-800A28 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-800A28 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 output of m transmitter 150 kHz to 80 MHz | 80 MHz to 800 MHz | 800 MHz to 2.7 GHz

The Model PG-800A28 Series Electronic Blood Pressure Monitor is intended for use

transmitter	150 KHZ to 80 MHZ	80 MHZ to 800 MHZ	800 MHZ to 2.7 GHZ
w	$d = \left[\frac{3.5}{V_1}\right] \sqrt{P}$	$d = \left[\frac{3.5}{E_1}\right]\sqrt{P}$	$d = [\frac{7}{E_1}]\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
			2

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.

Notes:

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.

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