

INTRODUCTION od pressure measurement. tor and display diastolic, TTACHING THE WRIST

IABLE OF CONTENTS	INTRODUCTION
INTRODUCTION	
ABOUT BLOOD PRESSURE	use by medical professionals or at home to monitor and display dia
PRECAUTIONS BEFORE USE	One's wrist according to the instructions in the "ALTACHING THE V
FEATURES OF THE PRODUCT9	CUFF." The expected life of the product is 5 years.
PARTS IDENTIFICATION	
INSERT OR REPLACE BATTERIES1	inco 0000 1-1-2 and salety standards of the 0000 1-1 and performan
TIME AND VOICE ON/OFF OF SYSTEM SETUP12	120 00001-2-00 as specified in Regulation (20)201777-40.
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HOW TO MEASURE BLOOD PRESSURE16	correct use of the unit, so as to prevent injuries or damages to the
CLEAN AND MAINTENANCE17	* The icons and meanings are as follow.
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CALIBRATION METHOD29	Matters involving actual prohibitions are indicated by text or
1	pictures in or near . The left icon refers to "general prohibition of the left icon refers to "general prohibition of the left icon refers to "general prohibition of the left icon refers to "general prohibition".

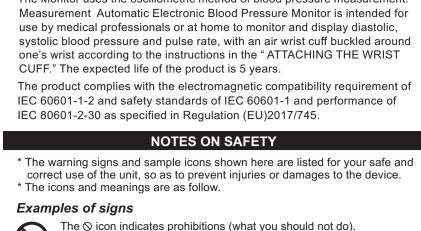
<u>∕!</u> Caution

The following

symbol indicates

that the device

is MR-unsafe:



"general prohibition".

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The • icon indicates something that is compulsory (what must always be observed). Matters involving actual compulsory actions are indicated by text or pictures in or near • .The left icon refers to "general compulsion". Matters involving actual compulsory actions are indicated by text or pictures

in or near \(\mathbb{O} \) . The left icon refers to "general prohibition".

IP Classification: IP20

MD Indicates

Consult instruction for use

medical device

Type BF Applied part

Please refer to the

instructions for use

Indicates a medical

Do not smoke

Reduce salt and fat intake

accurate, complete blood pressure history.

4. WHO blood pressure classification

Standards for assessment of high blood

pressure, without regard to age, have

been established by the World Health

Organization (WHO), and shown in

An individual's blood pressure varies

5. Blood pressure variations

devices or turn them off.

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1. Fastening the wrist cuff

in the figure at the right.

measure on a bare wrist. 2. How to take proper measurements

2) Fasten the wrist cuff tightly by using the Velcro Strip. For proper measurements, fasten the wrist cuff tightly and

For best accuracy in blood pressure measurement: • Sit comfortably at a table. Rest your wrist on the table.

Relax for about 5 to 10 minutes before measurement.

• Raise your hand so that the wrist cuff is at the same

button read out the latest measurement of memory.

display "П□" has been to delete all memory.

2.Do not fold the arm cuff too tightly.

Storage condition

Dimensions

Classification

Wrist circumference

Weight

E1:can't normally

Increase pressure

E3 inflate pressure

too high

(ESD)IEC

25

people.

4. Before using, should wash your hands.

otherwise it could cause loss of function.

chart below.

3. Why measure blood pressure at home?

Maintain proper weight

device that needs to be

protected from moisture.

Contact its local authorities to

determine the proper method

of disposal of potentially bio

hazardous parts and accessories.

Patient must follow doctor's instruction and should not perform 1 Caution self-judgment and self-treatment by the measuring result, Self-diagnosis of measured results and treatment are dangerous. The device should not be used to judge illness, first aid and continuously monitor measuring. This device can not be used for Patient transport and surgical care .It can be used in household or fixed places only. Please press "on/off" button to stop work when you feel uncomfortable with the wrist, or if the air is inflating abnormally without stop. This device should not be used by children under 18 years old or people who cannot express their will, otherwise it will cause harm Do not use the unit for purpose other than measuring blood pressure. May cause accident or trouble. Please do not use mobile phone around the device. Please do not use the device around the magnetic field. The device is prohibited from being used during movement.

Do not use the equipment in outdoor or shower rooms.

Will cause the unit to function erroneously

-The PATIENT is an intended OPERATOR

in the morning while one is still at rest and before eating.

medication under a doctor's supervision.

Many readings give a more comprehensive

doctor to interpret your blood pressure data.

medication without first consulting with your doctor.

3. WHO blood pressure classification display.

Systolic Blood pressure

blood pressure history.

2. What is hypertension and how is it controlled?

blood pressure monitor.

Do not disassemble, repair, or remodel the main unit or the wrist cuff of the

Requests from Manufacturer Make sure there is no connection tubing kinking before start measuring to avoid any injury to patient. 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. Do not measure your blood pressure over 6 times each day. 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 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 other parts not approved by the manufacturer may cause faults or injuries For service information, parts list etc., please contact the dealer.

Exercise regularly

Have regular physical checkups

1999, Vol 17 No.2

Reference Material: Journal of Hypertension

Grade 3 hypertension (severe)

Grade 2 hypertension (moderate)

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

Hypertension, an abnormally high arterial blood pressure, if left unattended,

Hypertension can be controlled by altering lifestyle, avoiding stress and with

can cause many health problems including stroke and heart attack.

-Not servicing and maintenance while the ME EQUIPMENT is in use.

-The user can maintain the product, the maintenance method is described in

To prevent hypertension or keep it under control: Typical fluctuation within a day hypertensive individuals, variations are (Measured every five minutes) even more pronounced. mmHg 150 Normally, the blood pressure rises while at work or play and falls to its lowest levels during sleep. So, do not be overly 90 70 concerned by the results of one Blood measurement. Take measurements at the same time every day using the procedure described in this 06 manual, and know your normal blood pressure.

Be sure to note date and time when recording your blood pressure. Consult your

PRECAUTIONS BEFORE USE

1. If you are taking medication, consult with your doctor to determine the most

appropriate time to measure your blood pressure. NEVER change a prescribed

90 85 greatly on a daily and seasonal basis. High-normal It may vary by 30 to 50 mmHg due to various conditions during the day. In 120 130 140 150 160 170 180 2. For people with irregular or unstable peripheral circulation problems due to diabetes, liver disease, hardening of the arteries, etc., there may be fluctuation in blood pressure values measured at the upper arm versus at the wrist.

3. Measurements may be impaired if this device is used near televisions, microwave ovens, X-ray, mobile phone equipment or other devices with strong electrical fields.

To prevent such interference, use the monitor at a sufficient distance from such

5. Do not measure on the arm which simultaneously used monitoring ME Equipment,

Blood pressure measured at a clinic or doctor's office may cause apprehension

and produce an elevated reading, 25 to 30 mmHg higher than that measured at

home, Home measurement reduces the effects of outside influences on blood

pressure readings, supplements the doctor's readings and provides a more

mmHa

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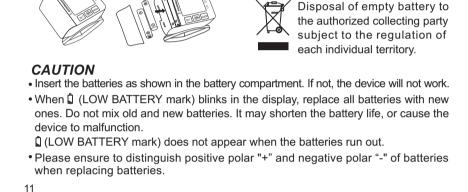
values and measurement time. 5. Automatically turns off (within 1 minute) to save power. **PARTS IDENTIFICATION** SYMBOLS ON DISPLAY LCD Display: Date and Time

WHO blood pressur

8.8

4. Easy to use, Press a button to automatically measure, record the measurement

6. Consult your doctor if the unexpected readings are obtained, also please refer to "Trouble shooting" of the manual. 7. The reading is probably a little lower than measured in the hospital due to the ☐ Memory Buttor steady mood at home. ON/OFF Buttor 8.Cuff pressure range 0-299mmHg SET Button Accessory: FEATURES OF THE PRODUCT Wrist Cuff Memory can store 90 measurements. Battery Cover 2. Large and clear LCD display Manual CASE 10 • Batteries, which have fluid on surface or be modified, can not be inserted into **INSERT OR REPLACE BATTERIES** the products. 1. Remove the battery cover. Battery short circuit must be prevented. 2. Insert new batteries into the battery compartment as shown, taking care that the • Battery life varies with the ambient temperature and may be shorten at low polarities(+) and (-)are correct. temperatures. 3. Close the battery cover, Use only LR03, AAA batteries. • The batteries may leak and cause a malfunction. • Use the specified batteries only. The batteries provided with the device are for



4. Press "MEM" key to adjust the month. Following the same steps to adjust date/hour/ minute/Voice (on/off) until setting completed (" In" is the On, " IF" is the Off) Non-talking model does not have this function.

Press "ON / OFF" button for 10 seconds to display unit switching interface, then

ATTACHING THE WRIST CUFF

1) Wrap the wrist cuff around your wrist about (1-2)cm above your hand as shown

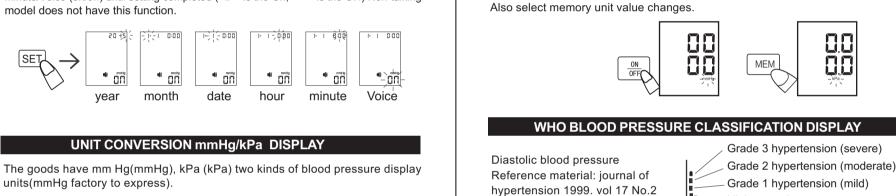
press "MEM" key to select mmHg / KPa, press "ON / OFF" button to exit.

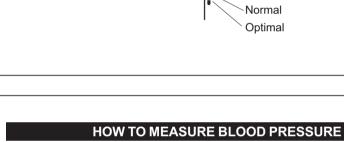
testing monitor performance and may have a shorter life. Used batteries may leak and damage the main unit. Pleases observe the following * If you are not going to use the unit for a long period of time (approximately three months or more), remove the batteries.

* Replace worn batteries with their polarities in the correct direction.

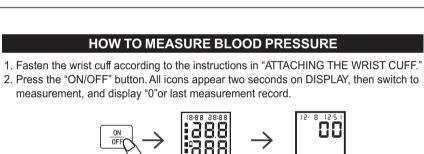
TIME AND VOICE ON/OFF OF SYSTEM SETUP 1. Press "SET" key to Time display. 2. In the off state, Press and hold "SET" key until the year number displays and flashes on LCD to enter setting mode. 3. Press "MEM" key to adjust the year, then press "SET" key again to save your setting and enter the month setting mode.

The units will be chosen by the above shows mmHg/kPa after decontrol, After the





nomal boot unit values are shown as blood pressure.



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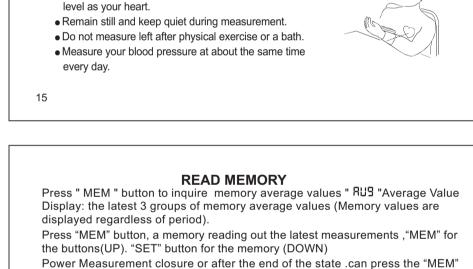
16

18

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MEM

High-normal

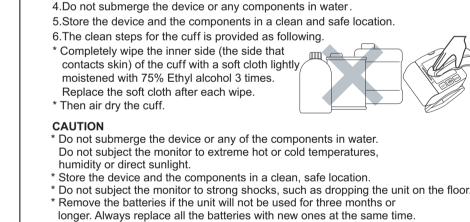


DELETE MEMORY The state read out the memory press the (memory) button five seconds, the LCD

×0: 68

1. Keep this device in the case provided with the device when you do not use it.

CLEAN AND MAINTENANCE



to ensure proper function and performance.

* See the Calibration Method for more details.

3. Mode of operation: CONTINUOUS OPERATION

• 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

1. Type of protection against electric shock: INTERNALLY POWERED EQUIPMENT.

2.Degree or protection against electric shock: TYPE BF APPLIED PART.

Appendix 1 Guidance and Manufacturer Declaration Tables

Compliance

Group 1

Class B

N. A.

N. A.

used in such an environment.

Emissions

CISPR 11

CISPR 11

Harmonic

emissions IEC 61000-3-2 Voltage

RF emissions

RF emissions

fluctuations/flicker emissions

Guidance and manufacturer's declaration – electromagnetic emissions

The Model PG-800A8 Series Electronic Blood Pressure Monitor is intended for use

in the electromagnetic environment specified below. The customer or the user of the Model PG-800A8 Series Electronic Blood Pressure Monitor should assure that it is

powered by DC 3V

Electromagnetic environment-guidance

The Model PG-800A8 Series Electronic Blood

Pressure Monitor uses RF energy only for its internal function. Therefore, its RF emissions

The Model PG-800A8 Series Electronic Blood

are very low and are not likely to cause any interference in nearby electronic equipment

Pressure Monitor is used in home and it's

4. Equipment not suitable for category AP&APG equipment use in presence.

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

3. Start measurement, the cuff in the strap will automatically inflate.

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The mark(♥) will flash on LCD. When complete, the results will be displayed.

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SPECIFICATIONS Measuring Method Oscillometric Measurement Digital LCD display Indication Pressure:(30~280)mmHg Measuring Range Pulse:(40~199)Beat/min Static Pressure: ± 3 mmHg Pulse: $\pm 5\%$ Accuracy Memory 90 Memories Power supply 2x1.5V Batteries(LR03or AAA) use alkaline battery, measure above 200 times. Operating condition +5°C~+40°C. 15%RH~93%RH Atmospheric pressure: 70kPa~106kPa

Type BF

(13.5~19.5)cm

Check your wrist cuff if any

Pressure value of more

air leakage

than 299mmHg

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

-20°C~+55°C. 0%RH~93%RH

Approx: 76(W)X76(H)X32(D)mm

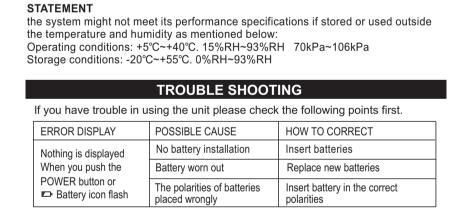
Approx: 130g, excluding batteries

Atmospheric pressure:50kPa~106kPa

Replace wrist cuff with new one

dealer for re-calibrate pressure

Re-measurement or send back



Value or diastolic Pressure value too low	higher than your heart 2.you moved your body or Spoke during measurement			
The systolic pressure	3.You moved your body or spoke during measurement 1.The wrist cuff was held	and gesture to measure again		
too high	3. You moved your body or	and gesture to measure		
	attached properly	keeping correct position		
Value or diastolic Pressure value	2.The wrist cuff was not	1		
Talac of allocations	1. The wrist cuff was held lower than your heart	_		
, ,	lower than your heart			

±8 kV, ±15KV ±8 kV, ±15 KV with synthetic material, the relative

symbol: (((•)))

IEC 61000-3-	3		22	
			22	
Guidance	and manufactu	rer's declar	ration – electromagnetic immunity	
The Model PG-800A8 Series Electronic Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the user of the Model PG-800A8 Series Electronic Blood Pressure Monitor 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	3 Vrms150 kHz to 80 MHz 6 Vrms 150 kHz to 80 MHZ outside ISM bandsa	N/A	Portable and mobile RF communications equipment should be used no closer to any part of the Model PG-800A8 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 $d = \left[\frac{3.5}{V_{\rm i}}\right] \sqrt{P}$	

additional factor of 10/3 has been incorporated into the formulae used in calculating the recommended separation distance for transmitters in these

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61000-4-2 air	κν, Στοιτν	air	humidity should be at least 30 %.	IEC 61000-4-6	80 MHZ outside	Electronic Blood Pressure Monitor, including cables, than the recommended
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	V/m, 50/60Hz	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	separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance
NOTE U _T is the a.e	c. mains volta	ge prior to applic	cation of the test level			$d = \left[\frac{3.5}{V_1}\right] \sqrt{P}$
23						24
	10 V/m	d =	$=$ $\left[\frac{3.5}{E_1}\right]\sqrt{P}$ 80MHz to 800MHz	NOTE 1 At 80	MHz and 800 MHz, the	e higher frequency range applies.
IEC 61000-4-3 80 MH	Hz to 2.7 GHz	10 V/m				oly in all situations. Electromagnetic propagation from structures, objects and people.
		d =	$= \left[\frac{7}{E_1} \right] \sqrt{P} 800 \text{MHz to } 2.7 \text{GHz}$		·	
			$\lfloor E_1 \rfloor$,	·	nedical) bands between 0,15 MHz and 80 MHz 3 MHz to 13,567 MHz; 26,957 MHz to 27,283
			re P is the maximum output power g of the transmitter in watts (W)	MHz; and 40	,66 MHz to 40,70 MHz.	The amateur radio bands between 0,15 MHz
		acco	ording to the transmitter manufacturer		·	z, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17
			d is the recommended separation ance in metres(m).			MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and
			d strengths from fixed RF transmitters,	50,0 MHz to 5	54,0 MHz.	
		surve	etermined by an electromagnetic site ey, a should be less than the pliance level in each frequency range	MHz and in t	the frequency range 80	frequency bands between 150 kHz and 80 0 MHz to 2,7 GHz are intended to decrease communications equipment could cause
			ference may occur in the vicinity quipment marked with the following	interference	if it is inadvertently bro	ought into patient areas. For this reason, an nincorporated into the formulae used in

frequency ranges.

100

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25				20		
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-800A8 Series Electronic Blood Pressure Monitor is used exceeds the applicable RF compliance level above, the Model	in an electrom The customer Monitor can h distance betwee and the Model below, accordi	The Model PG-800A8 Series Electronic Blood Pressure Monitor is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Model PG-800A8 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-800A8 Series Electronic Blood Pressure Monitor as recommended below, according to the maximum output power of the communications equipment.				
PG-800A8 Series Electronic Blood Pressure Monitor should be observed to verify	output of					
normal operation. If abnormal performance is observed, additional measures may	transmitte					
be necessary, such as re-orienting or relocating the Model PG-800A8 Series Electronic Blood Pressure Monitor.	w	$d = \left[\frac{3.5}{V_1}\right] \sqrt{P}$	$d = \left[\frac{3.5}{E_1}\right] \sqrt{P}$	$d = \left[\frac{7}{E_1}\right]\sqrt{P}$		
d Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.	0.01	0.10	0.10	0.22		
	0.01	0.12	0.12	0.23		
Recommended separation distances between	0.1	0.38	0.38	0.73		
portable and mobile RF communications equipment and the Model PG-800A8	1	1.2	1.2	2.3		
Series Electronic Blood Pressure Monitor	10	3.8	3.8	7.3		

27 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

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 NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency 1. ME devices can be used in exposed environments, including electromagnetic

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.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic

propagation is affected by absorption and reflection from structures, objects and

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.

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.,

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it will be reported to the manufacturer and the competent authorities of the user and/or the member states where the patient is located. 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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