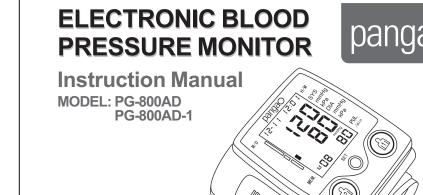
Additional site I: 2-4 Floor ,No.5 Shanzhuang Rd., Xikeng Village, Henggang Town, Longgang District, Shenzhen,

Tel:+86-755-33825988 Fax:+86-755-33825989

518115 Guangdong, P. R. China.

EC REP Lotus NL B.V. Address: Koningin Julianaplein 10, 1e Verd, 2595AA, The Hague, Netherlands. Tel: +31644168999

Date: 2023-04-13 Rev:A/2



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INTRODUCTION The Monitor uses the oscillometric method of blood pressure measurement. Measurement Automatic Electronic Blood Pressure Monitor is intended for use by medical professionals or at home to monitor and display diastolic, systolic blood pressure and pulse rate, 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.

2

6

Typical fluctuation within a day

(Measured every five minutes)

SYMBOLS ON DISPLAY

988

10

12

14

16

18

20

180

Examples of signs The \otimes 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".

The 1 icon indicates something that is compulsory (what must always Patient must follow doctor's instruction and should not perform self-judgment and self-treatment by the measuring result,

The So icon indicates something can't be disassembled or "Don' disassemble" Matters involving actual compulsory actions are indicated by text or pictures in or near \odot . The left icon refers to "general prohibition". ∕ ! \ Caution IP Classification: IP20 Type BF Applied part

Matters involving actual compulsory actions are indicated by text or

pictures in or near . The left icon refers to "general compulsion".

Consult instruction Please refer to the instructions for use Indicates a medical device that needs to be protected from moisture.

for use MD Indicates medical device

Make sure there is no connection tubing kinking before start measuring to

at least above 5 minutes of interval rest between any two measurements,

Contact its local authorities to determine the proper method of disposal of potentially bio hazardous parts and accessories.

Requests from Manufacturer

otherwise will cause extravasated blood.

3. Why measure blood pressure at home?

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

greatly on a daily and seasonal basis.

It may vary by 30 to 50 mmHg due to

various conditions during the day. In

5. Blood pressure variations

1. Remove the battery cover.

when replacing batteries.

0.

° 0Ñ

units(mmHg factory to express).

1.Fastening the wrist cuff

" 0Ñ

* 00

13

15

polarities(+) and (-)are correct.

3. Close the battery cover, Use only LR03, AAA batteries.

chart below.

avoid any injury to patient.

that the device is MR-unsafe:

The following

symbol indicates

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.

Self-diagnosis of measured results and treatment are dangerous,

monitor measuring

The device should not be used to judge illness, first aid and continuously

This device can not be used for Patient transport and surgical care .It can be

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

blood pressure monitor. Will cause the unit to function erroneously

-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 Do not measure your blood pressure over 6 times each day. 1. What is blood pressure? 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 in the morning while one is still at rest and before eating Do not use force to bend the wrist cuff or the air tube. Do not knock or drop the main unit.

not approved by the manufacturer may cause faults or injuries For service information, parts list etc., please contact the dealer.

 Do not smoke Exercise regularly Reduce salt and fat intake Have regular physical checkups Maintain proper weight

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

mmHg

110 105

e 100

95

90

85

Always use the specified accessories in the manual, the use of other parts

1999, Vol 17 No.2

High-norma

Norma 80 Optimal

Grade 3 hypertension (severe)

120 130 140 150 160 170 180 Systolic blood pressure mr

Disposal of empty battery to

07

4-00

* on

Grade 2 hypertension (moderate)

Grade 1 hypertension (mild

ure more than 3 times continuously, it should

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 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 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

mmHo

day using the procedure described in this manual, and know your normal blood pressure. Many readings give a more comprehensive blood pressure history. Reference Material: Journal of Hypertension Be sure to note date and time when recording your blood pressure. Consult your doctor to interpret your blood pressure data. **PRECAUTIONS BEFORE USE**

 $^{(2)}\bigcirc$

Accessory

· Battery short circuit must be prevented.

months or more), remove the batteries.

The batteries may leak and cause a malfunction.

Battery Cover

the products

temperatures.

medication under a doctor's supervision.

hypertensive individuals, variations are

Normally, the blood pressure rises while

Take measurements at the same time every

medication without first consulting with your doctor.

LCD Display: Date and Time

Systolic Blood pressure Diastolic Blood pressure

Manual

at work or play and falls to its lowest levels during sleep. So, do not be overly

concerned by the results of one

even more pronounced.

measurement.

To prevent hypertension or keep it under control:

3. WHO blood pressure classification display. 4. Easy to use, Press a button to automatically measure, record the measurement values and measurement time. 5. Automatically turns off (within 1 minute) to save power.

PARTS IDENTIFICATION

WHO blood pressure

CASE

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

devices or turn them off. 4. Before using, should wash your hands. 5. Do not measure on the arm which simultaneously used monitoring ME Equipment, otherwise it could cause loss of function. 6. Consult your doctor if the unexpected readings are obtained, also please refer to "Trouble shooting" of the manual.

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

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

blood pressure values measured at the upper arm versus at the wrist

7. The reading is probably a little lower than measured in the hospital due to the steady mood at home. 8.Cuff pressure range 0-299mmHg **FEATURES OF THE PRODUCT**

1. Memory can store 60/60 measurements. 2. Large and clear LCD display. 9

INSERT OR REPLACE BATTERIES

2. Insert new batteries into the battery compartment as shown, taking care that the

the authorized collecting party subject to the regulation of each individual territory. **CAUTION** • Insert the batteries as shown in the battery compartment. If not, the device will not work.

• When [] (LOW BATTERY mark) blinks in the display, replace all batteries with new ones. Do not mix old and new batteries. It may shorten the battery life, or cause the device to malfunction (LOW BATTERY mark) does not appear when the batteries run out. • Please ensure to distinguish positive polar "+" and negative polar "-" of batteries

3. Following the same steps to chose year, month, day, hour, minutes, unit conversion (mmHg/kPa), voice ON/OFF set (" 🗓 " On, " 🗓 F " is Off), press " 📋 " to change the

" oñ

The goods have mm Hg(mmHg), kPa (kPa) two kinds of blood pressure display

ATTACHING THE WRIST CUFF

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

your hand as shown in the figure at the right.

UNIT CONVERSION mmHg/kPa DISPLAY

רם

° oñ

• Use the specified batteries only. The batteries provided with the device are for 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

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

• Batteries, which have fluid on surface or be modified, can not be inserted into

• Battery life varies with the ambient temperature and may be shorten at low

TIME, UNIT AND VOICE SYSTEM SETUP Time set, such as year, month, day, hour, minute; unit conversion; voice ON/OFF set (no voice monitor without this set up function). 1.under Power Off. Press "SET" button, automatically power off in 3 seconds. 2. Press and hold "SET" button until the year number displays and flashes on

LCD to enter setting mode. And press " in " button to adjust the year.

Boots continued to press the h button exceeding five seconds. The units will be chosen by the above shows mmHg/kPa after decontrol, After the

WHO BLOOD PRESSURE CLASSIFICATION DISPLAY Grade 3 hypertension (severe) Diastolic blood pressure Grade 2 hypertension (moderate) Reference material: journal of

Inflation icon flashes on display when it begins

Automatic deflation at the same time. 3. Power off. Press \bigcap or \bigcap , to cut off the power.

• During the inflation, please do not move

nomal boot unit values are shown as blood

Also select memory unit value changes.

Grade 1 hypertension (mild) hypertension 1999. vol 17 No.2 High-normal Normal Optimal

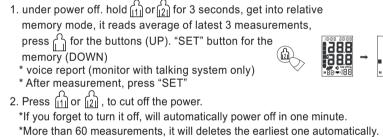
2)Fasten the wrist cuff tightly by using the Velcro Strip. For proper measurements, fasten the wrist cuff tightly and measure on a bare wrist. 2. How to take proper measurements

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 level as your heart. Remain still and keep quiet during measurement. Do not measure right after physical exercise or a bath. Rest twenty or thirty minutes before taking measurement.

HOW TO MEASURE BLOOD PRESSURE • Set up the wrist cuff to your wrist as previous section of "ATTACHING THE WRIST CUFF" 1.Press (1) or (2) button, the display shows "0",

Measure your blood pressure at about the same time every day

MEMORY STORAGE



3. Delete memory (all the memory will be deleted) Showing memory, hold "SET" for 5 seconds, display " П□ " means all the memories have been deleted. **CLEAN AND MAINTENANCE**

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

*The stored memory will not lose after replacing battery.

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:

90 Memories

Type BF

(13.5~19.5)cm

2x1.5V Batteries(LR3 or AAA)

+5°C~+40°C. 30%RH~80%RH

-20°C~+55°C. 10%RH~93%RH

Approx: 78(W)X78(H)X34(D)mm

Approx: 125g, excluding batteries

Atmospheric pressure: 86kPa~106kPa

Atmospheric pressure:50kPa~106kPa

use alkaline battery, measure above 200 times.

Memory:

Power supply:

Operating condition:

Storage condition:

Dimensions:

Classification

Wrist circumference

Weight:

too low

21

2. Automatic deflation after measurement and display the blood pressure, heart rate, and blood pressure indicator, voice report (monitor with talking system only) Mistake, display "E", please refer to the instruction about troubleshooting. • If cuff remove during the measurement, please fix the cuff and test again. • Stop the measurement in emergency, please press [1] or [2], to cut off the

3. Clean the monitor with a soft dry cloth. Do not use any cleaning solution. 4.Do not submerge the device or any components in water. 5. Store the device and the components in a clean and safe location. 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 moistened with 75% Ethyl alcohol

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

* 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.

Storage conditions: -20°C~+55°C. 10%RH~93%RH

ERROR DISPLAY

Nothing is displayed When you push the

POWER button or

Battery icon flash

3 times. Replace the soft cloth after each wipe.

Then air dry the cuff.

CAUTION

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. 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. 30%RH~80%RH 86kPa~106kPa

TROUBLESHOOTING

HOW TO CORRECT

Replace new batteries

Insert battery in the correct

Insert batteries

polarities

If you have trouble in using the unit please check the following points first.

POSSIBLE CAUSE

Battery worn out

placed wrongly

Appendix 1 Guidance and Manufacturer Declaration Tables

No battery installation

The polarities of batteries

* Specifications may be changed without notice in the event of improvement being made. E1:can't normally Check your wrist cuff if any Replace wrist cuff with new one Increase pressure air leakage E3 inflate pressure Re-measurement or send back too high dealer for re-calibrate pressure E2E4:have shaking Hand or body shaking keeping static and correct while measurement while measurement gesture to measure again Battery low power Replace battery and measure again Battery icon on 1.The wrist cuff was held The systolic pressure lower than your heart Value or diastolic 2. The wrist cuff was not Pressure value attached properly keeping correct position too high 3. You moved your body or and gesture to measure spoke during measurement again The systolic pressure 1.The wrist cuff was held higher than your heart Value or diastolic Pressure value 2.you moved your body or

Spoke during measurement

Guidance and manufacturer's declaration - electromagnetic immunity

assure that it is used in such an environment.

10 V/m

IEC 61000-4-3 80 MHz to 2.7 GHz

The Model PG-800AD Series Electronic Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the

user of the Model PG-800AD Series Electronic Blood Pressure Monitor should

The Model PG-800AD Series Electronic Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the user of the Model PG-800AD Series Electronic Blood Pressure Monitor should assure that it is used in such an environment **Emissions** Compliance Electromagnetic environment-guidance The Model PG-800AD Series Electronic Blood Pressure Monitor uses RF energy only for its internal function. Therefore, its RF emissions RF emissions Group 1 CISPR 11 are very low and are not likely to cause any interference in nearby electronic equipment. RF emissions Class B The Model PG-800AD Series Electronic Blood CISPR 11 Pressure Monitor is used in home and it's Harmonic N. A. powered by DC 3V emissions IEC 61000-3-2 Voltage N. A. fluctuations/flicker emissions IEC 61000-3-3 22

Guidance and manufacturer's declaration – electromagnetic emissions

user of the Model PG-800AD Series Electronic Blood Pressure Monitor should Compliance Electromagnetic environment - guidance

IEC 60601 Compliance Electromagnetic environment-Immunity test test level level guidance Electrostatic ±8 kV contact ±8 kV contact Floors should be wood, concrete discharge ±2 kV, ±4 kV ±2 kV, ±4 kV, or ceramic tile. If floors are covered ±8 kV, ±15KV ±8 kV, ±15 KV (ESD)IEC with synthetic material, the relative 61000-4-2 humidity should be at least 30 %. Power 30 A/m, 50/60Hz 30 A/m, 50/60Hz Power frequency magnetic frequency fields should be at levels characteristic of a typical (50/60 Hz) location in a typical commercial magnetic field IEC 61000-4-8 or hospital environment. NOTE U_{τ} is the a.c. mains voltage prior to application of the test level 23

Immunity test test level level 3 Vrms150 kHz Portable and mobile RF communications to 80 MHz equipment should be used no closer to Conducted RF any part of the Model PG-800AD Series 6 Vrms Electronic Blood Pressure Monitor, 150 kHz to IEC 61000-4-6 80 MHZ outside including cables, than the recommended ISM bandsa separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = \left[\frac{3.5}{V_1}\right] \sqrt{P}$ 24 NOTE 1 At 80 MHz and 800 MHz, 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.

50,0 MHz to 54,0 MHz.

frequency ranges.

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

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, an

additional factor of 10/3 has been incorporated into the formulae used in

calculating the recommended separation distance for transmitters in these

Guidance and manufacturer's declaration – electromagnetic immunity

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

use in the electromagnetic environment specified below. The customer or the

assure that it is used in such an environment. IEC 60601

where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres(m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, a should be less than the compliance level in each frequency range Interference may occur in the vicinity of equipment marked with the following symbol: (((•))) 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.

26 The Model PG-800AD 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-800AD 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-800AD Series Electronic Blood Pressure Monitor as recommended

below, according to the maximum output power of the communications equipment. Separation distance according to frequency of transmitter Rated maximum output of transmitter 150 kHz to 80 MHz | 80 MHz to 800 MHz | 800 MHz to 2.7 GHz $d = \left[\frac{3.5}{V_1}\right] \sqrt{P}$ $d = \left[\frac{7}{E_1}\right] \sqrt{P}$ 0.12 0.12 0.23 0.01 0.1 0.38 0.38 0.73 1.2 1.2 2.3 10 3.8 7.3 3.8 100 12 12 23

For transmitters rated at a maximum output power not listed above the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter

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

<u>∕!</u>\ 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

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.

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.

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.

Notes:

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28

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27

29

Radiated RF

 $d = \left[\frac{3.5}{E_1}\right] \sqrt{P} \quad 80 \text{MHz to } 800 \text{MHz}$

 $d = \left| \frac{7}{E_{\bullet}} \right| \sqrt{P}$ 800MHz to 2.7GHz

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-800AD Series Electronic Blood Pressure Monitor is used exceeds the applicable RF compliance level above, the Model PG-800AD 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-800AD 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-800AD Series Electronic Blood Pressure Monitor