DIAGNOSTIC®

INSTRUCTION MANUAL

EN

CE 0197

REF 5125

S-500

Automatic upper arm
blood pressure and pulse monitor

CONTENTS

1. SAFETY INFORMATION

1.1 Warning

- Self-diagnosis and undertaking treatment based on the results of measurements may be dangerous. Follow the advice of your doctor or qualified healthcare professional.
- People suffering from arrhythmia, diabetes, circulation problems or medical conditions associated with stroke should use the device in accordance with the recommendations of the doctor.
- If the cuff filling continues, remove the cuff or turn off the power of the device, otherwise it can lead to a hazardous situation.
- This device is not intended for newborns, infants, and persons who cannot communicate or take actions.
- Do not use the pressure monitor for purposes other than measurement of blood pressure in humans.
- The measurements must be carried out exclusively using the cuff or power adapter supplied by the manufacturer. Otherwise, measurement results may be incorrect.
- Do not use the pressure monitor near strong electrostatic charges or electromagnetic fields, and do not use a mobile phone during the measurement.
- Do not use the pressure monitor together with hyperbaric oxygen therapy or in the environment, where combustible gas may be produced.
- Do not use the device in the following locations:
  - places where vibrations are present, i.e. in ambulances or emergency helicopters.
  - places where gas or flames are present.
  - places where water or steam are present.
  - places where chemicals are stored.
  - places where the device may easily fall.
- General arrhythmia, including premature atrial contractions, premature ventricular contractions and atrial fibrillation may cause inaccurate readings or errors.
- The measurements and results must take into account environment variables, otherwise this may cause incorrect measurements.
- When replacing the power adapter or batteries, the person taking the measurement should not touch those elements and the patient simultaneously.

- The batteries have a positive / negative polarity. If the battery does not connect well with the device, do not try to insert it forcibly.
- Do not use the Luer-type lock. If Luer-type lock connectors are used in the construction of the tubes, there is a risk of accidentally connecting to an intravascular flow system, allowing the pumping of air into the blood vessels.

1.2 PRECAUTIONS

- Do not disassemble, repair or make changes to the pressure monitor or cuff.
- Avoid high temperatures, moisture, dust and direct sunlight.
- The casing of the device should be cleaned with a soft cloth dampened in medical alcohol 75%.
- Do not soak or clean the cuff with water.
- After measurement, the cuff should be cleaned with a soft dry cloth.
- Do not use in extreme high temperatures, high humidity or at high altitudes. Use the device only in acceptable ambient conditions.
- Do not place heavy objects on the power adapter or the device on the cord.
- Do not connect and disconnect the power adapter with wet hands.
- Do not drop the device or expose it to strong shocks.
- Do not use the device near large equipment that uses a relay for ON/OFF type power switch.
- If the device is not going to be used for an extended period of time, remove the batteries.
- Research on neonates, infants and pregnant women has not been carried out. Do not use the measuring device on neonates, infants and pregnant women.
- The blood pressure monitor has been subjected to numerous inspections to ensure measurement accuracy. The user should perform the annual inspection and calibration of the device recommended by the manufacturer.
- Blood pressure measurements made by the device are equivalent to those made by a qualified person using ausculatory method of measurement with a cuff/stethoscope.

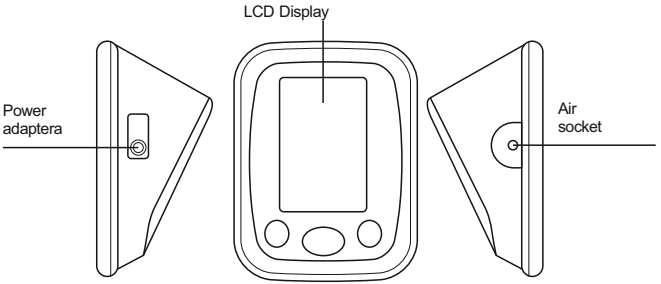
- Keep the device out of reach of infants, young children and people who are not able to give informed consent.
- This product is suitable for blood pressure measurement at home and for use by authorized medical personnel at hospital.

⚠ **WARNING !** Read the attached user manual.

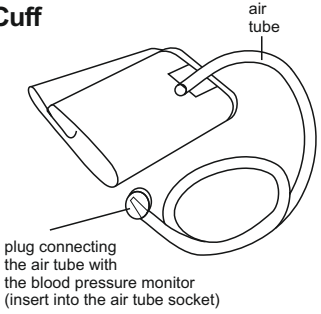
2. PRODUCT FEATURES

Indication for use: measuring blood pressure and pulse rate in adults at home or for use by trained medical personnel at hospital.

Housing

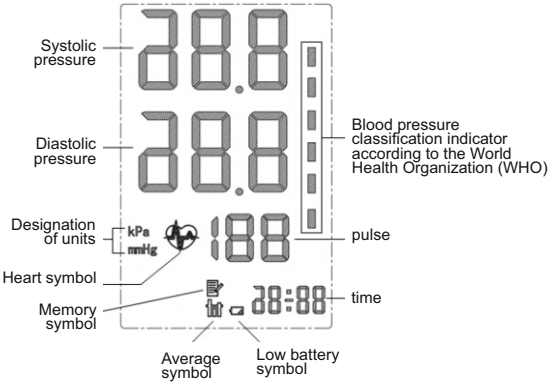


Cuff



Cuff (applied part
type BF)
Arm circumference:
220 to 360 mm

DISPLAY

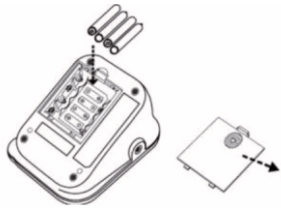


3. BEFORE TAKING READINGS

3.1 Batteries

3.1.1 Installation and replacement

1. Remove the battery cover.
2. Insert 4 standard AA alkaline batteries as indicated in the picture.



Use batteries of the same brand. Note that all the batteries are properly installed, observing polarity.

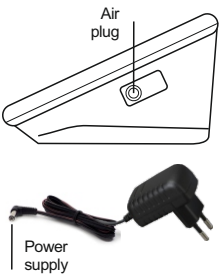
3. Reinstall the battery cover.
4. Batteries must be replaced when the icon indicating low battery level appears.
   - If the low battery symbol is displayed, they should be replaced with new ones, otherwise the device will not operate properly.
   - Use 4 alkaline batteries 1.5 V AA of the same brand.
   - Do not mix old and new batteries.
   - If the device is not going to be used for an extended period of time, remove the batteries.
   - After replacing batteries, you must reset the time and date.

3.1.2 Battery life

- Four new batteries LR6 (AA) are sufficient for approx. 200 measurements, if the measurements will be taken once a day at room temperature (23°C).
- The batteries included in the kit will be only useful for demonstration purposes. These batteries will probably not be enough to complete 200 measurements.
- You can check the battery status in the lower right corner of the screen. If the low battery symbol is displayed, battery power is low and they should be replaced with new ones.

3.2 Power adapter (optional)

1. Connect the power supply plug into the power supply socket (right side of the device).
2. Plug the power adapter unit into electrical outlet.
   - Use power adapter suitable for local mains voltage (mains current 100~240 V)
   - Specification of power adapter: input: 100-240 V, 50/60 Hz, 6V, min. 400mA;
   - We recommend using only the power adapter supplied by the manufacturer, model Diagnostic ZID 6-1 (100~240 V, 50/60Hz, 6 V, 1000 mA (1 A))
   - If the device is defective, unplug the power supply or the power cor.
   - Do not touch the power adapter with a wet hand.
   - Do not tangle the wires during usage.
   - The power adapter is added to the set optionally (charged additionally)



3.3 Settings

With the device powered off:

1. Press the **SET** button, the appliance enters the date setting mode.
   a) Changing values
   - press the MEM button to go one digit up
   - if you press and hold the MEM button, the value will change quickl

b) Set the two digits indicating **year.**

c) Press the SET button and continue to set the values for **month**

d) Repeat steps a) to c) to set the **month, day, hour and minutes**

2. Przeliczanie jednostek (mmHg na kPa)

a) Pressing the **MEM** button, automatically changes the unit as shown.

b) Dokończyć ustawianie, wcisnąć przycisk **ON/OFF** aby wyjść.

4 TAKING MEASUREMENT

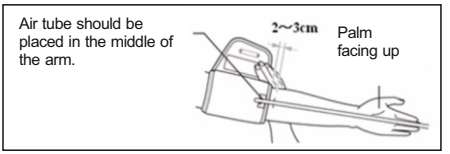
4.1

4.1 Important information

- For a minimum of 30 minutes before the measurement of blood pressure, you should not eat, drink alcohol, smoke, take a shower, or exercise. Do not take any medication that can raise blood pressure.
- Blood pressure measurements should not be taken in a state of nervousness or anxiety. When we are nervous, worried or agitated our blood pressure increases.
- Relax for 5-10 minutes before measurement. Sit
- in a comfortable and relaxed body position. When measuring blood pressure do not move and talk. Feet should be placed in one position, breathe freely and calmly.
- The cuff used to measure blood pressure should cover approximately ¾ of the arm. It should be easy to wrap.
- If possible, measurements should always be taken on the same arm.
- Measuring blood pressure at the same time on different days should give similar results (except in the case of external factors, such as for instance exercise).
- Change of medication or dietary supplement can affect the results of measurement. Before starting or stopping taking medication or supplement, you should consult with your doctor

4.2 Adjusting the cuff

1. Insert the air tube in the socket on the left side of the device.
2. Insert the end of the cuff under the metal buckle, with the velcro facing out.
3. Wrap the cuff approximately 2-3 cm above the elbow. For best results, wrap the cuff on bare skin, at heart level.
4. The compression of arm caused by tucked up sleeve may prevent accurate reading.



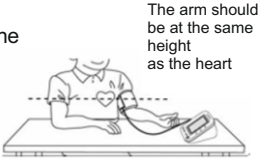
5. After wrapping the cuff, make sure that there is sufficient space under the cuff to fit a finger.
6. If the cuff does not fit on the arm, the accuracy of measurements may be incorrect.
   - Do not fold the cuff or the air tube.
   - To disconnect the cuff, remove the air tube plug from the device.
   - Measurement can be started only after wrapping the cuff properly.
   - The cuff must be replaced if there is a leak or when the cuff is not operating properly.
   - In order to ensure the proper accuracy of readings, you should only use the cuff supplied by the manufacturer.

4.3 Body posture during measurement

Relax, rest the elbow on the table with palm facing up; the cuff should be

at heart level. Accuracy of readings

may be reduced if the cuff is not wrapped properly. The arm should be at the same height as the heart. If the arm is too low, the reading results will be too high. If the arm is too high, the reading results will be too low



4.4 Taking measurement

After installing the batteries and wrapping the cuff, the device is ready to take measurement:

1. To ensure that the results are most accurate, during taking the reading, relax, do not smoke, do not take deep breaths, do not talk loudly and try not to move.
2. Press the [ON/OFF] button; the display will light up for 1 second, as shown in Figure 1.
3. Then the display will switch as shown in Figure 2.
4. When the device detects pulse, the heart symbol starts blinking, as shown in Figure 3. The cuff is filled with air and the measurement of pulse rate and blood pressure is performedi.
5. After the measurement, the air will automatically be released from the cuff and the results of the measurement will be displayed on the screen as shown in Figure 4. The bar on the right side of the display will indicate the level of blood pressure. The classification and definition of blood pressure level is presented on page 10.
6. You can turn off the device or compare the reading with previous results.
7. The device automatically turns off after 3 minutes.
8. If a problem occurs during the measurement, the screen displays the "Err" (error) message.
9. At the end of the measurement, if irregular pulse is detected, the symbol will appear on the screen .

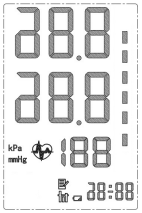


Fig.1

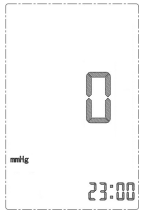


Fig.2

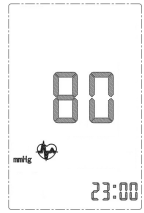
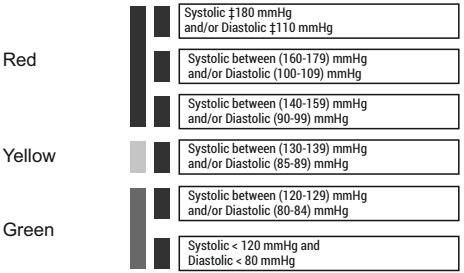


Fig.3

Fig.4

Classification and definition of blood pressure level



Notes:

- Do not perform self-diagnosis based on the obtained results. Follow the advice of your doctor or qualified healthcare professional.
- The bar on the right side of the display and the color of the element indicate the level of blood pressure, blood pressure classification and definition, as shown in the figure above.
- If the device causes any discomfort during the measurement or fails to work properly, it should be turned off and its use discontinued.
- Pressure reduction time with 260 mmHg (34.67 kPa) to 15mmHg (2kPa) does not exceed 10 sec.
- If the cuff is inflated to the level of 300 mmHg (40 kPa) and inflation continues, disconnect the cuff from the unit or turn off the power.

4.5 Memory

Internal memory stores up to 90 measurement results.

1) Recalling results from memory

   a) To access memory, press the **MEM** button.

   b) The device displays the average result of 3 most recent measurements.

   c) After pressing the **MEM** button, the user can view data from the newest to the oldest. Pressing the **SET** button allows to view the results in reverse order.

   d) If the heart symbol is displayed together with the data stored in the memory , it indicates that irregular pulse rate was detected during the measurement.

Note: Holding the **MEM** button longer will erase all data from the memory.

2) Deleting data from memory:
   a) You must go into memory mode.
   b) Press and hold down the **MEM** button until "---" is displayed.
   c) All data will be deleted, it is not possible to delete a single record.
   d) Press the **ON/OFF** button to exit the memory mode and turn off the device.

5. ERROR MESSAGES

List of error codes.

ERROR CODE	CAUSE	HOW TO REPAIR
Er30	The power is turned on, the cuff fills too slowly or the device does not connect to the cuff.	1. Reconnect the air tube plug into the device. 2. Leakage of the cuff or tubing. Purchase a new cuff. 3. Make sure that the cuff is properly wrapped. Take another measurement.
Er 2	Weak signal or cuff is too loose	The cuff is too loose, make sure that the cuff is properly wrapped. Take another measurement.
Er 3	Calculation error, strong impact, error during installation or design	Remain motionless. Take another measurement.
Er 5	Bad signal, movement or talking during measurement	Remain motionless. Take another measurement.
Er 7	Incorrect measurement.	Please take another measurement.
Lo	Battery level too low, not able to inflate	Replace the batteries with new ones.

6. TROUBLESHOOTING

In the event of irregularities during operation, please refer to the following:

PROBLEM	HOW TO REPAIR
After replacing batteries and turning on the device, nothing displays	1. Check battery polarity. 2. If you still cannot turn on the device, reinstall or replace the batteries.
The measured values are too high or too low	1. Make sure that the cuff is correctly wrapped. 2. If the user's clothing restricts normal blood flow, it should be removed and take another measurement. 3. Relax, rest the elbow on the table with palm facing up; the cuff should be at heart level. Take another measurement.
Pumping is too slow or the cuff is not inflated	1. Reconnect the air tube plug with the device. 2. Leakage of the cuff or air tubing. Replace with a new one.
The air from the cuff is released too quickly.	1. The cuff is too loose, make sure that the cuff is properly wrapped.
Zmierzona wartość jest inna od tej zmierzonej w szpitalu lub w gabinecie lekarskim	1. The value of blood pressure varies throughout the day, as well as is caused by the emotional and physical health status 2. Take notes of the differences and consult them with your doctor.

7. SPECIFICATION

Description	Automatic upper arm blood pressure monitor	Model	Diagnostic S-500
Display	Digital display LCD	Measurement principle	Oscillometric method
Measurement range	Pressure: 0~280 mmHg Pulse rate: 40~180 beats/min	Accuracy	Pressure: ±3mmHg (±0.4 kPa) Pulse: ±5%
Memory of	90 measurements	Automatic power off	Idle for 3 minutes
Power source	4 AA alkaline batteries power or power adapter DC 6.0 V, min. 400 mA (optional)	Battery life	Approximately 200 measurements
Protection against electric shock	Type BF	IP Classification	IP 21
Operating environment	Temperature: +5°C ~ 40°C Humidity: + 93% Pressure: 70.0kPa~106.0kPa Altitude: + 3000 m	Storage and transport conditions	Temperature: -25°C ~ 70°C Humidity: 10 ~95% Pressure:50 kPa~106 kPa
Weight	280g (without batteries)	Dimensions	138 mm×110mm×68 mm
Useful life of parts	Casing 5 lat or 10000 times Cuff 10000 times Power adapter 50000 times	Content	Cuff (Available arm circumference: 220mm to 360mm) power adapter (optional) 4 x AA alkaline batteries User manual (Warranty card)

This device is intended for use in a household environment. Specifications may change without prior notice. Batteries must be disposed of in accordance with local regulations.

8. IMPORTANT INFORMATION CONCERNING ELECTROMAGNETIC COMPATIBILITY (EMC)

In view of the increased number of electronic devices such as computers or mobile phones, medical devices may be susceptible to electromagnetic interference from other devices. Electromagnetic interference may result in the malfunctioning of medical equipment and create a potentially dangerous situation.

In order to regulate the requirements for electromagnetic compatibility (EMC), with a view of preventing dangerous situations associated with the product, the IEC60601-1-2 standard was introduced.

The standard specifies the level of immunity to electromagnetic interference as well as maximum levels of electromagnetic emissions in relation to medical devices. This medical device meets the requirements of the IEC60601-1-2:2007 standard, both for immunity and emissions.

However, you should take special care:

Do not use cellular phones or other devices that generate strong electrical or magnetic fields near medical devices. This can result in abnormal operation of the device and create a potentially dangerous situation. It is recommended to keep a distance of at least 7m. If the distance is shorter, the correct operation of the device must be verified.

Guidelines and manufacturer's declaration - electromagnetic emissions

The devices are intended for use in the electromagnetic environment as described below.
The customer or the user of the device should assure that the device is used in such an environment.

Emission test	Fulfillment of requirem	Guidelines regarding electromagnetic environment
The emission of radio frequency waves; CISPR standard	Grupa 1	The device uses radio-frequency energy only for its internal functions. Therefore, these emissions are very low and should not cause interference in nearby electronic equipment.
The emission of radio frequency waves; CISPR standard	Klasa B	The device can be used in all buildings, including residential buildings, and those that are directly connected to the public low-voltage network, supplying power to buildings intended for residential purposes.
Harmonic emissions IEC 61000-3-2	non applicable	
Voltage fluctuations/flicker emissions IEC 61000-3-3		

Guidelines and manufacturer's declaration regarding electromagnetic immunity

The device is intended for use in the electromagnetic environment specified below. The customer or the user of the DEVICE should assure that it is used in such an environment.

Immunity test	Test level, IEC 60601 standard	Compatibility level	Electromagnetic environment - guidelines
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wooden, concrete or made of ceramic tiles. If floors are covered with synthetic materials, the relative humidity should be at least 30%. If ESD interferes with the device, you should consider the use of compensatory elements i.e. wrist strap, grounding.
Fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output	Non applicable	The quality of power supply should be adequate for typical commercial installation or hospital environment.
Surges IEC 61000-4-5	± 1 kV differential mode ± 2 kV common mode	Non applicable	The quality of power supply should be adequate for typical commercial installation or hospital environment.
Voltage dips, short interruptions and voltage changes on power supply inlets IEC 61000-4-11	<5 % UT (>95 % dip in UT) for 0.5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip de UT) for 5 s	Non applicable	The quality of power supply should be adequate for typical commercial installation or hospital environment. If the user [of the device or system] requires continuous use even during power interruptions, it is recommended to connect the device or system to emergency power supply.
Magnetic field of the power supply frequency (50/60 Hz)	3 A/m	3 A/m	The level of magnetic fields of power sources should be within the limits applicable for typical commercial installations or hospital environment.

Guidelines and manufacturer's declaration regarding electromagnetic immunity

With respect to the EQUIPMENT or SYSTEMS, which do not serve as LIFE SUPPORTING SYSTEMS

GUIDELINES AND MANUFACTURER'S DECLARATION REGARDING ELECTROMAGNETIC IMMUNITY

The device is intended for use in the electromagnetic environment specified below. The customer or the user of the DEVICE should assure that it is used in such an environment.

Immunity test	**Test level, IEC 60601 standard**	**Compatibility level**	**Electromagnetic environment - guidelines**
Conducted radio-frequency signal IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3V	Portable and mobile radio communication measures should be used at a distance from any of the elements [of the DEVICE or SYSTEM], including cables, which is not lower than the recommended distance calculated from the transmitter frequency equation.
Emitted radio-frequency signal IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3V/m	Recommended distance d = 1.2 d = 1.2 80 MHz to 800 MHz d = 2.3 800 MHz to 2.5 GHz where P is the maximum power rating of the transmitter in watts (W) as specified by the manufacturer, and (d) is the recommended distance in meters (m). Field strengths from fixed RF transmitters, as determined in field measurements of electromagnetic fields, should be lower than the compatibility level for each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: Recommended distance d = 1.2 

Recommended spacing between portable and mobile radio communication equipment and the DEVICE in relation to DEVICES that do not serve as LIFE SUPPORTING SYSTEMS

Recommended spacing between portable and mobile radio communication equipment and the DEVICE

The [DEVICE or SYSTEM] is intended for use in the electromagnetic environment in which the interference caused by the emission of radio waves is controlled. The buyer or the user of the [DEVICE or SYSTEM] can help prevent electromagnetic interference by keeping a minimum distance between portable and mobile radio communication equipment (transmitters) and the [DEVICE or SYSTEM], as recommended below, according to the maximum output power of the communication equipment

Maximum rated power of the transmitter W	Distance according to frequency of the transmitter m		
	150 kHz do 80 MHz d = 1,16	80 MHz do 800 MHz d = 1,16	800 MHz do2.5 GHz d = 2,33
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

For transmitters assessed at the maximum output power not listed below, the recommended distance d in meters (m) can be estimated using the equation corresponding to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts according to the transmitter manufacturer.

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

NOTE 2: these guidelines do not apply in all situations. The propagation of electromagnetic waves is affected by the absorption and reflection from the buildings, objects and people.

9. BLOOD PRESSURE INFORMATION

9.1 What is blood pressure?

Blood pressure (BP) is the pressure exerted by the circulating blood on blood vessel walls and is one of the essential vital parameters.

During blood pressure measurements two values are read:

- Systolic blood pressure is a measure of the pressure during contraction of the heart
- Diastolic blood pressure is a measure of the pressure during relaxation of the heart

9.2 What is high blood pressure?

High blood pressure also known as HBP or hypertension is a commonly misunderstood medical condition. It is believed that people with hypertension are tense, nervous or hyperactive, but pressure has nothing to do with personality. A person can in fact be peaceful, relaxed and at the same time suffer from hypertension. Let's look at the facts regarding blood pressure, so that we gain a better understanding on how the body works and why it is prudent to start taking care of yourself right now, regardless of what the results of our blood pressure are.

By maintaining blood pressure in the "healthy" range we achieve the following:

- The risk of overloading and damaging the walls of blood vessels is reduced
- The risk that the heart will have to pump blood with greater force to overcome obstacles is reduced
- We protect our body through regular supply of oxygen-rich blood to the tissues

In accordance with the standard of the World Health Organization (WHO) classification of blood pressure is as follows:

Category	Systolic (mmHg)		Diastolic (mmHg)
Indicated	<120	i	<80
Normal	120-129	i/lub	80-84
Mild hypertension	130-139	i/lub	85-89
Hypertension	≥140	i/lub	≥90
Hypertension type 1	140-159	i/lub	90-99
Hypertension type 2	160-179	i/lub	100-109
hypertensive crisis	≥180	i/lub	≥110

These categories have been defined by the American Heart Association. This table applies to adults aged 20 and older.

9.3 What is morning hypertension (sudden morning surge in blood pressure)?

Morning high blood pressure or a surge in blood pressure in the morning is referred to as the average of weekly morning blood pressure reading, measured 1 to 2 hours after the waking up, the value of which exceeds 135/85 mm Hg. Studies indicate that excessive morning blood pressure poses risk of cardiovascular incidents - including ischemic and haemorrhagic strokes. It has also been demonstrated that cardiovascular incidents are more frequent in the morning, combined with the morning surge in blood pressure. Of all the days of the week, the incidents such as heart attack, stroke and heart failure are particularly likely to occur on Mondays.

Also organ damage and diabetes complications, as well as microangiopathy and heart attack in older people are associated with the morning rise in blood pressure. Morning surge in blood pressure also is also linked to the initial stages and the development of atherosclerosis. Patients who undergo regular blood pressure checks may still experience a morning surge in blood pressure and it is so in 50% of the cases. The risk of stroke in patients with high morning blood pressure is about 78% higher compared with 48% of the risk in patients suffering from hypertension, but who do not experience increase in blood pressure in the morning. Morning hypertension is also related to changes in the size and the rhythm of the heart. This can lead to a heart attack or heart failure.

Morning surge may be detected only during 1-2 hours after waking up, therefore, it is recommended to measure blood pressure at home.

Reference standards

IEC 60601-1：2005 Medical electrical equipment - Part 1: General safety requirements and operation principles.

IEC 60601-1-2:2007 Medical electrical equipment - Part 1-2: General safety requirements and operation principles - Collateral standard: Electromagnetic compatibility - Requirements and tests

EN 1060-1:1995 + A2:2009 Non-invasive Sphygmomanometers - part 1: General requirements

EN 1060-3:1997 + A2:2009 Non-invasive Sphygmomanometers - part 3: Additional requirements for electromechanical blood pressure measuring systems

ANSI/AAMI SP-10:2002+A1:2003+A2: 2006/(R)2008 Hand, electronic or automatic sphygmomanometers

ANSI/AAMI/ISO 81060-2-2009 Non-invasive sphygmomanometers - Part 2: Clinical validation for automatic measurement type

EXPLANATION OF SYMBOLS

START/STOP	Pause and turn on	CE 0197	The product complies with the requirements of the European Union
SYS	Systolic pressure in mmHg	Rev.	Date of the last revision
DIA	Diastolic pressure in mmHg		Manufacturer
PUL./min.	Pulse rate		Manufacturing date
⊕ 2 x 1,5V (LR6, AA) ⊖	Note on installing battery	SN	Serial number
⎓	Direct current		Read the user manual
IP21	Degree of protection	LOT	Batch number
⚠	Important warnings	REF	Catalog number
	Type BF: device, cuff and tubing are designed to provide special protection against electrical shocks.		

The worn out product should be taken to a waste collection facility. Contains components that are dangerous for the environment. The correct disposal of the device allows to preserve valuable resources and avoid negative effects on health and the environment, which may be threatened by inappropriate handling of waste.

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Diagnosis S.A.
ul. Gen. W. Andersa 38A
15-113 Białystok, Poland
tel./fax 85 732 46 22, 732 40 99
www.diagnosis.pl

store stamp and signature of salesperson

WARRANTY CARD

DEVICE NAME . . . . . .

MODEL . . . . . .

SERIAL NUMBER . . . . . .

DATE OF SALE . . . . . .

WARRANTY TERMS

1. Diagnosis S.A. grants a warranty:
   - 24 months for DIAGNOSTIC S-500 blood pressure monitor and cuffs (excluding pump assembly)
   - 12 months for pressure monitor accessories

Hardware defects revealed during the warranty period will be rectified free of charge within 21 days. The term runs from the date of delivery of the equipment to the service center.

2. The purchaser shall be entitled to replace the equipment for a new one, free of defects, when
   - the repair has not been made within the time limit set in item 1
   - an authorized service center found an irreparable manufacturing defect
   - during the warranty period, 4 repairs were effected, and the equipment still shows defects that prevent its use in accordance with its intended purpose

The concept of repair shall not include operations related to equipment check and cleaning.

3. The warranty shall not cover: batteries, products with illegible or damaged serial number, damage due to the operation and storage inconsistent with the user manual, ingress of liquids or foreign bodies, overvoltage of mains, repairs by unauthorized persons and random events.
4. Faulty equipment should be delivered by the buyer to the address of the main service center or one of the Authorized Service Centers (listed in the appendix).
5. The warranty for the sold consumer goods shall not exclude, restrict, or suspend the powers of the buyer resulting from non-conformity of the goods with the contract.
6. The only basis for the warranty rights shall be the warranty card with the date of sale, stamp and signature of the salesperson. If the card is not completed, filled in wrongly, with traces of corrections and entries made by unauthorized persons, illegible as a result of damage - it shall be invalid..