

EN INSTRUCTION MANUAL FOR DIGITAL BLOOD PRESSURE MONITOR LD23, LD23A, LD23L
PL INSTRUKCJA OBSŁUGI CIĘŚNIOMIERZA CYFROWEGO LD23, LD23A, LD23L
HU HASZNÁLATI UTÓMATÓ. LD23, LD23A, LD23L készülék a vérnyomás és pulzuszármán digitalis mérésére
RO MANUAL DE UTILIZARE A TENSIMETRULUI DIGITAL LD23, LD23A, LD23L
BG РЪКОВОДСТВО ЗА ЕКСПЛУАТАЦИЯ НА ЦИФРОВ ТОНOMETРП LD23, LD23A, LD23L

fig.1 rys. 1 1. ábra desenul 1 puc. 1
PARTS AND COMPONENTS DENUMIREA PĂRȚILOR SI COMPOENTELOR
PODSTAVOVÉ ČEŠTI A KOMPONENTY HÁZNÍVNA HAČTI A KOMPONENTI
ALKATRÉSZK MEGNEVEZÉSE

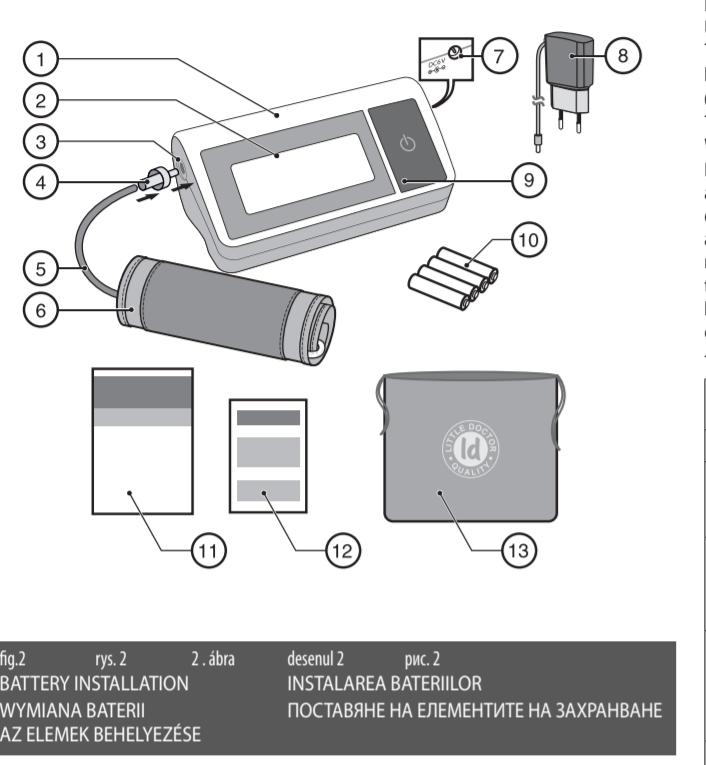


fig.2 rys. 2 2. ábra desenul 2 INSTALAREA BATERIILOR ПОСТАВННЕ НА ЕЛЕМЕНТИТЕ НА ЗАХРАНВАНЕ AZ ELEMÉK BEHELYEZÉSE

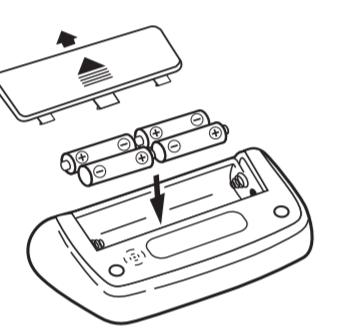


fig.3 rys. 3 3. ábra desenul 3 puc. 3
CORRECT POSITION DURING MEASUREMENT
PRZYJĘCIE POZYCJI UMÔŁWIWIAJĄcej POMIAR
A HELYES TESTELYZET A MÉRSÉNél
POZIUMA CORRECTĂ ÎN TIMPUL PROCESULUI DE MÂSURARE
ПРАВИЛНА ПОЗА ПРИ ИЗМЕРВАНЕ

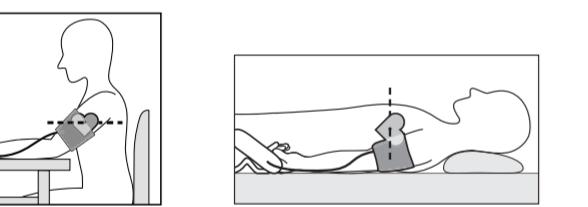


fig.4 rys. 4 4. ábra desenul 4 puc. 4
CUFF PREPARATION
ZAKLADANIE MANKIETU
A MANDZSETTA ELŐKÉSZÍTÉSE

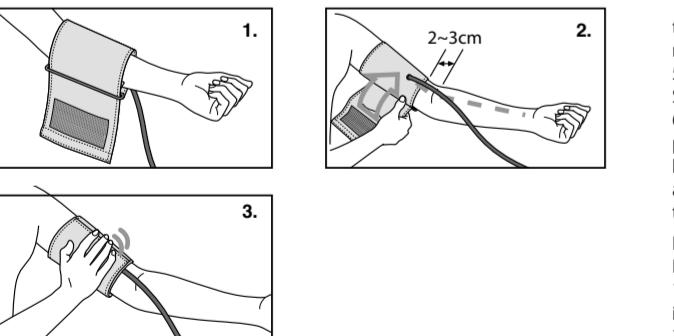


fig.5 rys. 5 5. ábra desenul 5 puc. 5
MEASUREMENT PROCEDURE
PROCEDURA POMIARU
A MÉRSÉ MÓDSZERE

The manufacturer recommends application of the stabilized power source LD-N057 (it is attached to modification LD23A and LD23L). When the Unit is used with the power source for a long time, remove all batteries.

CORRECT POSITION DURING MEASUREMENT (fig.3)

1. Sit at a table so that during blood pressure measurement your hand rests on its surface. Be sure that the cuff is placed approximately at the level of your heart and that your arm lies freely on the table and does not move.

EN

PARTS AND COMPONENTS (fig.1)

- ① ELECTRONIC UNIT.
- ② LCD.
- ③ ARM CUFF JACK.
- ④ AIR PLUG.
- ⑤ ARM CUFF.
- ⑥ POWER SOURCE JACK.
- ⑦ POWER SUPPLY.
- ⑧ POWER ON/OFF.
- ⑨ POWER ELEMENTS.
- ⑩ WARRANTY CARD.
- ⑪ POWER SOURCE CASE.

GENERAL INFORMATION

This Instruction Manual is designed to assist the user with safe and effective operation of the automatic digital Device for measurement of blood pressure and heartbeat rate LD, (modification LD23, LD23A, LD23L) (hereinafter – the "Device"). Use this Device according to the rules described in this Manual. Operate the Device only as intended. Do not use the Device for any other purposes. Read and understand the whole Instruction Manual, in particular "Recommendations on Correct Measurement".

INDICATIONS FOR USE

Use this Device to measure your systolic and diastolic blood pressure and heartbeat rate in patients aged from 15. This Device is recommended for use by persons with unstable blood pressure or known arterial hypertension at home as an addition to medical surveillance.

OPERATION PRINCIPLE

This Device uses the oscillometric method of blood pressure and pulse rate measurement. Wrap the cuff around your upper arm and it starts to be inflated automatically. The sensitive element of the Device feels the weak pressure oscillations in the cuff generated by widening and contraction of the brachial artery in response to every heartbeat. Pumping in is ceased when cuff is adequately pumped in to determine diastolic and systolic pressure (the amplitude of the pressure waves is measured, converted into millimeters Hg and shown on the display as figures) after which air is released from cuff. Remember that the Device will not maintain the mentioned accuracy of a measurement if it is used or stored at a temperature or humidity other than those specified in Technical Specifications of this Manual. We are warning about possibility of mistakes in blood pressure measurement with this Device in persons with pronounced cardiac arrhythmia. Consult the doctor concerning blood pressure measurement of your child.

TECHNICAL SPECIFICATIONS

Measurement method	oscillometric with Fuzzy Algorithm	Storage and transportation conditions	
Temperature, °C	from -20 to 50	Relative humidity, % Rh	85 and lower
Date and time	yes	Max power intake, W	3.6
Pressure indication range in an arm cuff, mmHg	from 0 to 300	ADAPTER LD-N057 (it is attached to modification LD23A and LD23L)	
Measurement range: pressure in an arm cuff, mmHg	from 40 to 260	Output voltage	6 V ± 5%
Rate measurement, %	from 40 to 160	Max load current	not less than 600 mA
Range of admissible relative error at pulse rate measurement, %	±5	Input voltage	-200-240 V, 50/60 Hz
Inflation	automatic (air pump)	Dimensions	64 x 70 x 43 mm
Deflation	automatic	Weight	not more than 0.3 kg
Type of power supply:	4 "AA" size batteries (LR6) or adapter not less than 600 mA	Polarity of terminals	← = internal → = external
Operational conditions	Temperature, °C Relative humidity, % Rh	Internal diameter, mm	2.1 ± 0.1
	from 10 to 40 85 and lower	External diameter, mm	5.5 ± 0.1
		Length of plug contact, mm	10 ± 0.5

Revision date of the present Manual is indicated on the last page as EXXX/YMM/NN, where YY is the year, MM is the month and NN is the number of revision. Technical characteristics may be changed without preliminary notification to improve the operation and quality of the product.

This Device manufacturing is certified according to international standard ISO 13485. Units LD23, LD23A, LD23L comply with the requirements of European Directive MDD 93/42/EEC, international standards, EN980, EN1060-1, EN1060-3, EN1060-1-2, ISO 14971.

Zasilacz LD-N057 odpowiada międzynarodowemu standardowi EN 55022 Class A, typ i stopień ochrony przed porażeniem prądem elektrycznym: klasa II, typ BF.

RECOMMENDATIONS ON CORRECT MEASUREMENTS

1. For correct measurement you should know that THE BLOOD PRESSURE IS SUBJECT TO SHARP VARIATIONS EVEN WITHIN THE SHORT TIME INTERVALS. The blood pressure depends on many factors. It is usually lower in summer and higher in winter. The blood pressure varies together with the atmospheric pressure, depends on physical loads, emotional excitement, stresses and dietary regime. Drugs, drinking alcohol and smoking produce significant effect. Even the very procedure of blood pressure measurement in a polyclinic sends the blood pressure high in many people, thus, the blood pressure measured at home often differs from the values received in a polyclinic. As the blood pressure tends to rise at low temperatures, make measurements at an indoor temperature (approximately 20°C). If this Device stayed under a low temperature, keep it for at least 1 hour at an indoor temperature before use, otherwise the measurement result may be incorrect. During a day the difference in readings for healthy people may be 30-50 mmHg of systolic pressure and to 10-15 mmHg of diastolic pressure. The dependence of the blood pressure on various factors is individual for each person. Accordingly, it is recommended to keep a special book with blood pressure records. ONLY A CERTIFIED DOCTOR USING YOUR RECORDS IS CAPABLE TO ANALYZE THE TENDENCY OF YOUR BLOOD PRESSURE VARIATIONS.

2. At cardiovascular and some other diseases requiring blood pressure monitoring make measurements in the hours fixed by your attending doctor. REMEMBER THAT THE DIAGNOSTIC AND ANY TREATMENT OF HYPERTENSION MAY BE CONDUCTED ONLY BY A CERTIFIED DOCTOR ON THE BASIS OF BLOOD PRESSURE VALUES OBTAINED BY THIS DOCTOR. TAKING OF DRUGS AND THEIR DOSES SHOULD BE PRESCRIBED ONLY BY YOUR ATTENDING DOCTOR.

3. At such disorders as deep vascular sclerosis, weak pulse wave and also in patients with the prominent distortions of cardiac rhythm it may be difficult to measure the blood pressure accurately. IN SUCH CASES CONSULT A CERTIFIED DOCTOR ABOUT APPLICATION OF THE ELECTRONIC DEVICE.

4. Keep QUIET DURING A MEASUREMENT TO OBTAIN THE ACCURATE VALUES OF YOUR BLOOD PRESSURE WITH THE ELECTRONIC DEVICE. Measure your blood pressure in the calm and comfortable conditions at the indoor temperature. No eating an hour before measurement; no smoking, taking tonics, alcohol 1.5-2 hours before measurement.

5. The accuracy of blood pressure measurement depends on whether the cuff matches the size of your arm. THE CUFF SHOULD NOT BE TOO SMALL OR TOO LARGE.

6. Wait 3 minutes between measurements for the blood to restore its circulation. However, the persons with prominent arteriosclerosis due to considerable loss of vascular elasticity may need to increase the wait time between measurements (10-15 minutes). This also refers to the patients suffering for long from diabetes. For more accurate determination of blood pressure it is recommended to make a series of 3 consecutive measurements and to use the average value.

POWER SUPPLY OF THE DEVICE
BATTERY INSTALLATION (fig.2)

1. Open the cover of the battery compartment and install 4 "AA" size batteries according to polarity marked inside the compartment. Do not use much force to remove the cover of the battery compartment.

2. Close the battery cover.

The batteries supplied with the Device are intended for check of the Device performance for sale and their service life may be shorter than the recommended batteries.

• Replace all batteries when the Low Battery Indicator (■) appears on the screen or when there is no any indication on the screen. The Low Battery Indicator does not show the discharge level.

• If the Device is unused for a long time, remove all batteries.

• Do not leave the waste batteries in the device.

USE OF THE DEVICE WITH THE POWER SOURCE

The jack for connection of the power source is on the right side of the Unit. Use the power source only with the following technical characteristics:

The output voltage : 6V ± 5%
Maximum output current : not less than 600 mA
Plug:
Terminal polarities : "minus" – internal
External diameter : 5.5 ± 0.1 mm
Internal diameter : 2.1 ± 0.1 mm
Length : 10 ± 0.3 mm

The manufacturer recommends application of the stabilized power source LD-N057 (it is attached to modification LD23A and LD23L).

When the Unit is used with the power source for a long time, remove all batteries.

CORRECT POSITION DURING MEASUREMENT (fig.3)

1. Sit at a table so that during blood pressure measurement your hand rests on its surface. Be sure that the cuff is placed approximately at the level of your heart and that your arm lies freely on the table and does not move.

2. You can measure the blood pressure lying on the back. Look at the ceiling, keep quiet and do not move during measurement. Be sure that the cuff is placed approximately at the level of your heart.

CUFF PREPARATION (fig.4)

1. Place the cuff end for 5 cm into a metal ring as shown in the figure.
2. Apply the cuff to your left upper arm so that the air tube is directed to your palm. If the measurement on your left arm is difficult, you may use your right arm. In this case remember that the readings may differ by 5-10 mmHg and even more.
3. Wrap the cuff around your upper arm so that the bottom of the cuff is approximately 2-3 cm above your elbow. The sign "artery" should be over the arm artery.
4. Fix the cuff so that it fits tightly to the arm, but see that it is not overtight. Too tight or too free placement of the cuff may give inaccurate readings.

5. On the final cuff the sign "NIDEX" should point to the area «NORMAL». It means that the cuff is chosen correctly and fits the size of your upper arm. If the sign points to the area marked «TOO SMALL» the cuff is too small and the readings will be higher. If the sign points to the area marked «TOO BIG» the cuff is too large and the readings will be lower.

6. If the arm has a conic form, the cuff should be put with a spiral movement as shown in the figure.

7. If the rolled-up sleeve squeezes the arm interfering with free blood flow the Device may give inaccurate figures not corresponding to your actual blood pressure.

MEASUREMENT PROCEDURE (fig.5)

1. Insert the Air Tube Plug into the Cuff Jack. Make 3-5 deep inhales and exhales before taking a measurement and relax. Do not move, do not speak and do not touch your arm.

2. Press (○).

All symbols will appear on the display screen for a short time, two short sound signals will be given and the Device will inflate automatically into the cuff. At first the inflation will stop at the level of 190 mmHg.

4. After reaching the level of 190 mmHg the cuff will gradually deflate. The figures on the screen will count back. The pulse symbol (●) will start flickering.

As the blood pressure is measured, the amplitude of the pressure waves is measured, converted into millimeters Hg and shown on the display as figures) after which air is released from cuff. Remember that the Device will not maintain the mentioned accuracy of a measurement if it is used or stored at a temperature or humidity other than those specified in Technical Specifications of this Manual. We are warning about possibility of mistakes in blood pressure measurement with this Device in persons with pronounced cardiac arrhythmia. Consult the doctor concerning blood pressure measurement of your child.

5. When the measurement is complete the sound signal is given, the arm cuff completely deflates and your measurement results will be displayed on the screen and indicator (●) will blink, reminding that to retain the results, it is necessary to choose memory 1 or 2, having depressed M1 or M2, respectively. The measurement will be saved before the beginning of the next measurement or before turning off the Device.

If regular pulse rhythm is detected during measurement, symbol (●) will appear upon measurement. During periodical appearance of this indication apply to You attending doctor (for LD23, LD23A).

Apart from numerical value of pressure, result is also displayed on scale WHO (Fig. 14). Scale WHO – three color scale of classification of received value of arterial pressure, according to recommendation of World Health Organization. The scale is available from the left.

6. Press (○) to switch off. For taking a new measurement repeat all steps described in this paragraph.

TO OBTAIN THE ACCURATE RESULT INTERVAL BETWEEN MEASUREMENTS TO RESTORE THE BLOOD CIRCULATION, WAIT FOR AT LEAST 3 MINUTES BEFORE MAKING A NEW MEASUREMENT. If the Unit is ON and is unused for 3 minutes it will be switched off automatically.

AUTOMATIC RE-INFLATION

When during the first blood pressure measurement the cuff inflation to a level of 190 mmHg is not sufficient or you move your arm the Device stops measurement and re-inflates the cuff to the higher level. The Device has 4 fixed levels of the arm cuff inflation: 190, 230, 270 and 300 mmHg.

The automatic re-inflation is repeated until the measurement is completed successfully. This is not a defect.

FORCED DEFLECTION FROM A CUFF

For rapid air release from the arm cuff during arm cuff inflation or during a measurement (slow deflation) press the (○) button. The arm cuff quickly completely deflates and the Device is independently switched off.

INFORMATION ABOUT ERRORS

Indication Likely cause Methods of correction

E rr	The arm cuff is applied incorrectly or the air tube plus is not inserted tightly enough.	Be sure that the arm cuff is applied correctly and the plug is inserted tightly. Repeat the whole measurement procedure.
S p	Sparsuszione powietrza w zakresie podawanej na obudowie w dolnej części korpusa urządzenia w jego numerze seryjnym, po symbolu "AA".	Repete the measurement following the recommendations of this Manual.
T emperatura, °C	temperatura, °C	In such cases consult a certified doctor about application of the electronic unit.
I nstrukcja symboli	(Type BF) Important: Read the instructions Type II	Replace the batteries for new ones.

CARE, STORAGE, REPAIR AND DISPOSAL

1. Keep this Device from exposure to higher humidity, direct sunlight, shocks, vibration. THIS DEVICE IS NOT WATERTIGHT!

2. Do not keep and use this Device near heating installations and open fire.

3. Remove the batteries if the Device will be unused for a long time. Battery leaking may damage the Device. KEEP BATTERIES OUT OF REACH OF CHILDREN!

4. Keep the Device clean and protect it from dust. Use the dry soft cloth to clean the Device.

5. Protect the arm cuff from contact on sharp things; do not stretch or fold tightly the arm cuff.

6. Do not subject the Device to strong shocks, such as dropping on the floor.

8. This Device does not contain special controls to adjust the measurement accuracy. It is prohibited to

A MANDZSETTA ELŐKÜZÖTÉSE (4. ábra)

Nyomja meg az gombot.

1. Húzza a mandzsetta szélét kb. 5 cm-re a fémgúrhöz, ahogyan az ábrán látható.

2. Helyezze a mandzsetta a bal karjára úgy, hogy a csove a tenyér felé legyen irányítva. Ha a mérés a bal karon nézhé, akkor a mérést hagyhat a jobb karon. Ebben az esetben nem szabad elhelyezni, hogy a mérés 5-10 Hgmm-rel eltérhetne, néhány centiméter több is lehet.

3. Húzza össze a mandzsettát a karjával úgy, hogy a mandzsetta alsó széle 2-3 cm-re legyen a könyököt. Az "ARTERY" feliratú címkét a karjáról felejt keletkezni.

4. Rögzítse a mandzsettát úgy, hogy hő illeszkedjen a kar körül, de ne szorítsa meg túlságosan. A tű szoros, vagy túl laza mandzsettázásról pontatlan méréshez vezethet.

5. A rögzítést mandzsettanál az "INDEX" címető "NORMA" (25-36 cm) területre mutasson. Ez azt jelenti, hogy a mandzsetta megfelelő illeszkedik, és megfelel a felkar kerülésnek. Ha a címke a illeszkellő területet jelzi, akkor a mandzsetta kissé és a mérés túlbeszűlt lesz.

6. Ha a kar kifeszítve kúpok alakú, akkor ajánlatos a mandzsettát spirálban felhelyezni, amint az ábrán látható.

7. Ha feltűri a húnya ujját, és egységeleg a karját elszorítja, megalakadóvá válva vérámlást, a műszer által mért érték minden félénél felül állhat, amely a nyomásnak növelheti.

8. A helyezési módhoz köthetően a mérés előtt minden legejtőt a mandzsettából, és a mérés után minden legejtőt a mérés előtt köthetően a mérés során. Ne mozogni, ne beszeljen, és ne moszgassa a kezét a mérés során.

A MÉRÉS MÓDSZERE (5. ábra)

1. Helyezze a legelegítő mandszettáját a mandszetta csatlakozójával.

2. Helyezze a legelegítő mandszettáját a mandszetta csatlakozójával.

Mérés előtt vegyen 3-5 mély lelegzetet és pihenjen. Ne mozogni, ne beszeljen, és ne moszgassa a kezét a mérés során.

3. A kijelző röviden megmutatja az összes szimbólumot, két rövid hangjelzés hallható, és a készülék automatikusan felfelfújja az ujját, és egységeleg a karját elszorítja, megalakadóvá válva vérámlást, a műszer által mért érték minden félénél felül állhat, amely a nyomásnak növelheti.

4. Mütött érte a 190 mm-t. Hg. art. a mandszetta nyomásra forrasztottan csökken. A kijelzett értékek csökkenek. Az impulzus illeszkedik a jelzéssel.

MIVEL AZ ARTERIÁLIS NYOMÁS E A PULMONÁLIS MÉRÉSE A LEVEGŐLEREZTÉS IDEJÉN TÖRTÉNÉK, KERÜLK, HOGY A MÉRÉS KÖZÖNNE MOZOLODJA. NE MOZGASSA A KARIÁT, NE FESZÍTSE A KARIA ZMÁNTA.

5. A mérés végén hangsúlyt kell adni, amely után a készsélek leereszt minden legejtőt a mandzsettából, és a mérési eredmény megjelenik a kijelzőn.

A kijelzőn villanó jelzés a szabálytalan pulzusszámon. Az aritmia jelző megjelenését a test nyomására is adott okozhatja a mérés során. Ha a jelzések időközönként megjelenik, forduljon orvoshoz.

6. Nyomja meg a pulmonális műszert a műszerekkel.

Pontos rendelje előre érdekként szünetelni kell tanári a mérés között, szükséges iverkerítés helyreállítása. Ezért

3 percen belül névezjük üjérből mértet.

A mindegyik mérés (nyomás és impulzus) eredménye automatikusan kerül a készsélek memóriaiba.

A MEMORIÁI ADATOK FENNTARADÁNA A KÉSZÜLÉK NÉLKÜL TÁROLÁSKÁRA. A MEGEMELT ADATOK TÖRLE-

SZE A KÉSZÜLÉK NÉLKÜL TÁROLÁSKÁBÓL LEHETÉSGES A "MEMÓRIA FUNKCIÓ" FEJLETÉSEN LEÍRT LEPEŞEK VÉGREHAJTÁSAVAL.

Ha az áramlálatnál nincs kikapcsolva, a készsélek 3 percig nem használja, az automatikusan kikapcsolódik.

AUTOMATIKUS FELPUMPAJÁS

Ha az első nyomás mérése a műszerekkel a műszerekkel szintén kijelzésre kerül, a műszerekkel leállítja a mérési, és felpumpálja a műszereket a következő magasabb szintváltozásra. A készsélek 4 rögzített mandzsetta felpumpálási szintje: 190 mmHg - 200 mmHg.

Az automatikus mandszetta felpumpálás megismerítődik addig, amíg a mérés sikeresen nem fejeződik be. Ez nem számít hibának.

KÖNYVELÉSITÉTT NYOMÁSLEREZTÉS A MANDZSETTABÓL

Ha a mandszettában lévő üregi befejeződéséhez közben vagy a mérés során (lassú nyomáscsökkenés) gyorsan ki kell engedni a nyomást, nyomja meg az gombot. A készsélek gyorsan leereszt a műszereket a műszerekkel és kikapcsolódik.

HIBÁZÉNETEK

Err Kijelző Valósáznó oka Orvosság

A mandszetta hibásan van elhelyezve vagy a legelegítő csatlakozó nincs teljesen behelyezve.

A méréséket nem lehetett elvégezni a kar nyomásával, mert vagy a beszélgetés miatt a mérés során.

A szív címkésekkel rendellenes ritmus, a súlyos arteroszklerózis, a gyenge impulzus használataival a diplomálval rendelkező orvosnál kell tüntetni.

A kijelzőn villanó jelzés a szabálytalan pulzusszámon. Az aritmia jelző megjelenését a test nyomására is adott okozhatja a mérés során. Ha a jelzések időközönként megjelenik, forduljon orvoshoz.

7. Újratölök az elemeket. Cserélje ki az összes elemet újakra.

8. Nem megengedj a készséleket és összetevőinek, vizes, hideg, alkohol, benzinnel érintkezés.

9. Újratölök az elemeket, újratölök a készsékek műszaki állapotát.

10. A készsélek nem tartalmaznak a beállításokat szabályozó szerveteket. A gyártó nem állapította meg a termék használatának speciális szabályait.

11. A készsélek tartása ha az **ON** területén érvényes szabályozókat. A gyártó nem állapította meg a termék használatának speciális szabályait.

12. A mandszetta részére utalásokkal, a legelegítői jelzésekkel, a műszerekkel szabványoltatottan, a műszerekkel szabványoltatottan átartalmaztuk a pamut törlővel kezeljük. A hosszantartó használtat után megengedtünk a mandszetta szöveteinek részleges elszíneződését. Ne mosás és ne vasalja a mandszettát.

ESÉLEGES PROBLÉMÁK

PROBLÉMA LEHETSÉGES OKA ORVOSÁG

Az gomb megnyomása után nincs jelzés a kijelzőn Lemerült elemek.

Az elemek polaritása nem megfelelő. Személyzetek az akkumulátor érinthetők.

A tapégyelő nincs az aljátha bedugva.

A nyomás leállt és újraindult. Automatikusan törökítőkön törökítik a helyes méréshez érdekeltek. Lehetséges, hogy beszél vagy moszgatta a kijelzőt a mérés során.

A vérnyomás-különbségek minden alkalmankor. A mérés értékek teljesen elutasítottak. Nincs karjai a kijelzőn. Lehetséges, hogy beszél vagy moszgatta a kijelzőt a mérés során.

A pulzusszám érték túl magas. Lehetséges, hogy beszél vagy moszgatta a kijelzőt a mérés során. A méréséket közvetlenül edzés után végezte?

Lehet, hogy a mérés során tartson be csendet és nyugalmat.

Rossz minőségű akkumulátorok. Csak a legjobb elemeket használjan az ismert gyártóktól.

Önműködő áramellátás Automatikusan indul az áramkikapcsolás. Ez nem hibásjelenség. A készülék automatikusan kikapcsol 3 percel az egység utolsó működése után.

Önműködő kikapcsolás. A rendszer automatikusan kikapcsolja a tápellátást.

Bateriile líváratek. In set esetben verifikálni funkcionálitási diszpozitívului in tempul vânzării acestuia și durata de viață a acestora poate fi mai mică decât durata de viață a bateriilor recomandate.

Inlocuire bateriile când pe display este afisat în mod continuu indicatator cu semnalizare necessitatea inlocuirii bateriilor , ori dacă pe display nu se afisează nici un indicatator. Indicatator inlocuire baterie nu indică gradul de desăvârșire.

Inlocuire bateriile concomitent. Nu utilizati baterii de afiata.

Dacă diszpozitivul nu se utilizează o perioadă îndelungată de timp - scoateți baterii din diszpozitiv.

Nu lasați bateriile în interiorul diszpozitivului.

UTILIZAREA DISZPOZITIVULUI CU SURA DE ALIMENTARE CU ENERGIE ELECTRICĂ

Műszer a partea de alimentare stabilizată este situată în partea dreaptă a diszpozitivului.

Utilizati dor sura de alimentare cu energie electrică care corespunde caracteristicilor tehnice indicate mai jos:

Tensiune de ieșire : 6V ± 5%

Curent max de ieșire : 0,5 pe 600 mA

Sticher : 5,5 ± 0,1

Diametru intern, mm : 2,1 ± 0,1

Diametru exterior, mm : 5,5 ± 0,1

Lungime contactului sticherului, mm : 10 ± 0,3

dispozitiv LD23A și LD23L).

Dacă diszpozitiv este utilizat un timp îndelungat, folosind sursa de alimentare cu energie electrică, scoateți baterile.

POZIȚIA CORECTĂ ÎN TIMPUL PROCESUJULUI DE MĂSURARE (desenul 1)

1. Înălțăți în față mesele astfel încât în timpul măsurării tensiunii arteriale mâna Dumneavoastră se sprijine de suprafață esteasă. Asigurați-vă că atât pozitia manșetă pe braț approximativ la aceeași nivel cu înima și că antebrațul se păstrează și nu se mișcă.

2. Puteti măsura tensiunea arterială și în poziție culcat pe spate. Priviți spre tavan, păstrați calm și nu vă mișcați în timpul procesului de măsurare. În mod obligatoriu asigurați-vă că manșeta este aproape de braț.

PREGĂTIREA MANȘETEI (desenul 4)

1. Introduceti colanțele în inel metallic cu 5 cm, aşa cum este ilustrat în imagine.

2. Îmbrăcați manșeta pe bratul său. În acest moment trebuie să fie orientat spre palmă. Dacă măsurarea pe braț stăng este imposibilă, atunci tensiunea arterială este imposibilă, atunci tensiunea arterială este imposibilă.

3. Îmbrăcați manșeta în jurul brațului astfel încât parte din ea să fie la o distanță de 2-3 cm de cot.

4. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

5. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

6. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

7. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

8. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

9. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

10. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

11. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

12. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

13. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

14. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

15. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

16. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

17. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

18. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

19. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

20. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

21. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

22. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

23. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

24. Înălțați manșetă la nivelul articulației șoldului și păstrați brațul într-o poziție strânsă.

25. Înălțați manșetă la nivelul