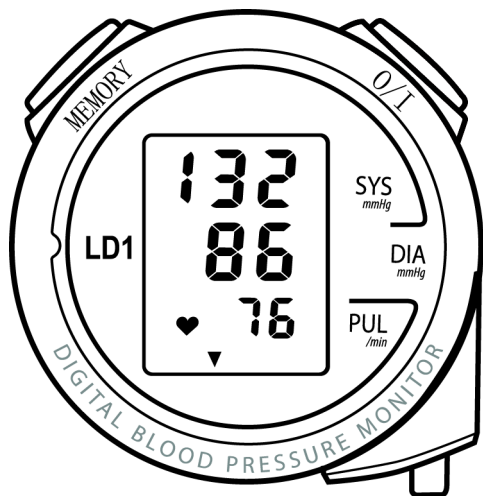


SFIGMOMANOMETRO YTON DIGITALE
YTON DIGITAL SPHYGMOMANOMETER

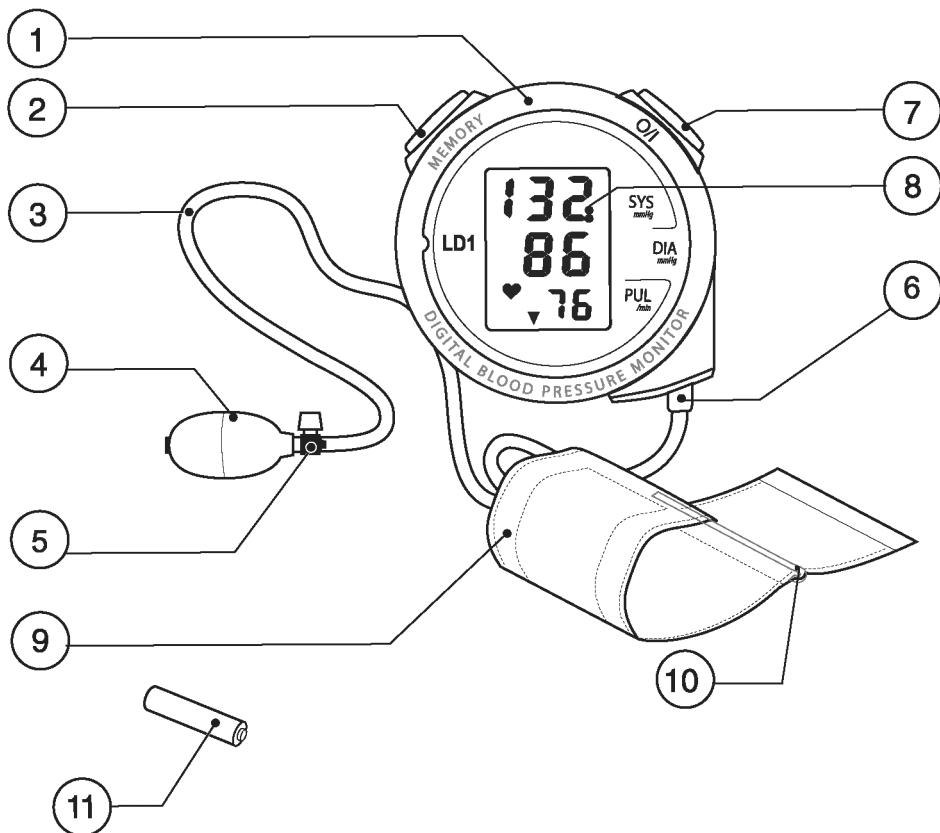
MANUALE D'USO E MANUTENZIONE
USE AND MAINTENANCE BOOK



ATTENZIONE: Gli operatori devono leggere e capire completamente questo manuale prima di utilizzare il prodotto.

ATTENTION: The operators must carefully read and completely understand the present manual before using the product.





- 1. Corpo principale
- 2. Pulsante Memory
- 3. Tubo aria
- 4. Pompetta gonfiaggio
- 5. Valvola sgonfiaggio rapido
- 6. Connettore aria
- 7. Pulsante O/I
- 8. Display
- 9. Bracciale
- 10. Anello
- 11. 1x Batteria AAA

- 1. Main body
- 2. Memory button
- 3. Air Hose
- 4. Inflation bulb
- 5. Rapid deflation valve
- 6. Air connector
- 7. O/I Button
- 8. Display
- 9. Cuff
- 10. D-Ring
- 11. 1xAAA Battery

SPECIFICATIONS

This device is intended for the non-invasive measurement of systolic and diastolic arterial blood pressure and pulse rate in adults (age 15 and above). This device adopts the oscillometric technology with Fuzzy Algorithm measuring the arterial blood pressure and pulse rate. Fuzzy Algorithm is the processing algorithm taking into account of the speciality of individual heartbeats, which provides higher accuracy of measurement. Consult the physician if measurement is taken in children or persons with arrhythmia as errors may occur.

Size: Ø 65(D) x 26(H)mm

Weight: Approximately 50g not including bulb and cuff

Measuring method: Oscillometry

Measuring range: 40 to 260 mmHg (pressure)

40 to 160 beats/minute (pulse rate)

Measuring accuracy: +/-3 mmHg for systolic and diastolic pressure

+/-5% of the reading for the pulse rate

Inflation: Manually

Rapid deflation: Manually

Batteries: 1 "AAA" x 1,5V

Memory: 90 sets of memories

Operation temperature and humidity: +10°C to +40°C, 85% and below

Storage temperature and humidity: -20°C to + 50°C, 85% and below

Cuff size: Applicable for arm size 22-32 cm

INFORMATION OF BLOOD PRESSURE

What is blood pressure?

Blood is sent to the arteries with the action of a pump called heart (contraction and dilation). The pressure of blood leaving the heart is called "blood pressure", Blood Pressure pulsate with each beat of the heart. The high blood pressure when the heart contracts are called "Systolic pressure" and the low blood pressure when the heart dilates is called "diastolic pressure", The threshold value for hypertension in adults is defined by the World Health Organization (WHO) as 140/90 mmHg.

Health and blood pressure!

When people reach middle age, the risk of hypertension markedly increase. With aging, the blood vessels age rapidly, Furthermore, because of the obesity and lack of exercise, cholesterols stick to blood vessels, causing them to lose elasticity, Therefore, watching daily blood pressure help to evaluate our health condition.

Why do we need to monitor blood pressure at home?

By recording the blood pressure values and the measuring conditions such as the measuring time or living state every day, you can know the fluctuation tendency of your blood pressure, which helps control your health. Furthermore, recording of daily blood pressure values is very helpful for your doctor to diagnose.

How to manage your Blood Pressure if it works unsuitable?


If correct measurement is impossible even after checking the above-mentioned points, consult at the store where you have purchased the unit or the nearest dealer without touching the internal mechanism.

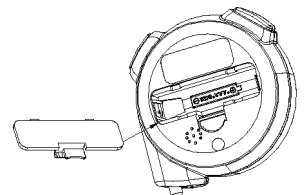
In some very rare cases, there may be error due to the physical condition of the person. In such cases, please consult your doctor.

BATTERY INSTALLATION

1. Open the battery cover and install one 'AAA' type battery into the battery compartment as indicated. Make sure that the polarity is correct.

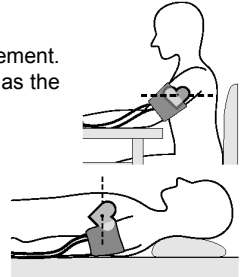
2. Close the battery compartment cover.

- Replace the batteries when the replacement indication "  " appears in the display or nothing after O/I button is pressed;
- Battery in this kit is intended to check work capacity of the device and the life-span of the battery can be shorter than what is recommended;
- Don't use rechargeable battery;
- If the device is to be unused for long time, please take out the battery;
- Don't leave the worn battery in the device.



CORRECT POSTURE FOR MEASUREMENT

1. Sit at the table and let the table support your arm as you take the measurement. Make sure that the cuff on the upper arm is at approximately the same level as the heart, and that the forearm is extended naturally on the table;



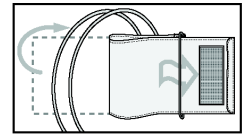
2. You may lie on your back and take measurement.

Look at the ceiling, keep calm, and don't move your neck or body during the measurement.

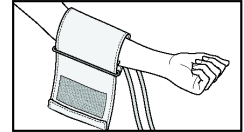
Make sure that the cuff on the upper arm is at approximately the same level as the heart.

ASSEMBLY THE CUFF

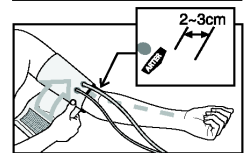
1. Insert the edge of the cuff approximately 5 centimeters into the D-ring as shown.



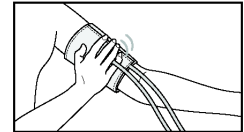
2. Put the cuff on the left upper arm with the tube pointing to the direction of palm. If measurement on your left arm is difficult, you can use right arm for measurement. In this case, it is necessary to know that the readings may differ about 5-10 mmHg between left arm and right arm.



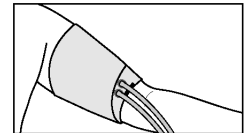
3. Wrap cuff around your upper arm with the lower edge of the cuff approximately 2-3 centimeters above the elbow. The mark <ARTERY> must be over the artery of the arm.



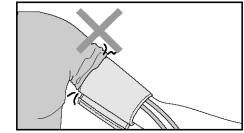
4. Press the cuff to make sure that it is attached securely. The cuff should not be too tight or too loose. Two fingers should be easily put in between cuff and upper arm.



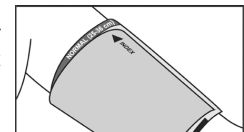
5. The mark <INDEX> on the cuff must point to area <NORMAL> (22-32 cm). This means the cuff size is correct. If mark <INDEX> points to the area beyond area <NORMAL>, please consult your dealer whether you need another size cuff.



6. Sometimes it is difficult to make the cuff regular owing to the shape of the user's upper arm, the cone-shape assembly of cuff is also acceptable.



7. If your clothes restrict blood circulation of your upper arm, or you roll your sleeve up so as to result in such restriction. Please take off your clothes to get accurate measurement if necessary.



CARRY OUT A MEASUREMENT

1. Hold the main body with your hand whose arm is assembled with cuff, and hold the inflation bulb with another hand. Before the measurement, take 3-5 times deep breath and relax yourself. Don't talk or move your arm;

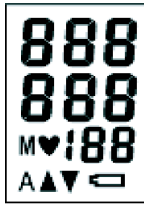


Fig.1

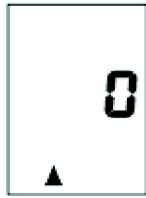


Fig.2

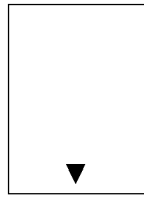


Fig.3



Fig.4

2. Press button 'O/I', and all symbols will appear on display in 2 seconds as Fig.1. Then two short beep will sound, then '0 mmHg' will appear on the display with upward arrow flashing to remind the user to inflate as Fig.2. If there is too much air in the cuff, the display will show downward arrow to remind the user to deflate the air in the cuff as Fig.3.

Please push the rapid deflation valve to deflate the air until '0 mmHg' and upward arrow appears.

3. Pump the inflation bulb to inflate the pressure to about 40 mmHg above your regular systolic pressure. If you don't know your regular systolic pressure, just pump to about 180 mmHg (If the pressure is not enough to get accurate measurement, the display will show upward arrow to remind the user to pump to higher pressure). Then stop inflation and the pressure begins to decrease gradually, during which the user's blood pressure and pulse will be calculated;

4. There will be a long beep following the accomplishment of measurement. The blood pressure reading and pulse reading will show in the display as Fig.4

5. Press rapid deflation valve to exhaust the remaining air in the cuff and press the button 'O/I' to turn off the device. If you'd like to carry out another measurement, please rest for at least 3 minutes. If the power supply is not switched off and the device keeps unused for 3 minutes, the device will be switched off automatically.

RAPID DEFLATION DURING MEASUREMENT

If you do not feel well during measurement or want to stop the measurement for some reason, you can press the rapid deflation valve to deflate the air in the cuff at any time to end the measurement.

FUNCTION OF MEMORY

MEMORY RECALL

1. LD1 can store 90 sets of readings and will automatically calculate the average value of the latest 3 readings. When the memory is full (90 sets of readings are stored), the oldest reading will be replaced by new one. Memory will not clear away even if power supply is removed;

2. After a measurement is finished or when the device stands by, the user can press button Memory to recall memory. Press button Memory, the display will show the average value of the latest 3 readings as Fig. 5;

3. Press again, the display will show '01', which means the latest reading, then turns to another screen to show readings as Fig. 6;

4. Press again, the display will show '02', which means the second to the latest reading.

MEMORY CLEARANCE

After a measurement is finished or when the device stands by, hold down button Memory for at least 5 seconds, the display will show 'CLR' which means all the stored reading is removed as Fig.7.

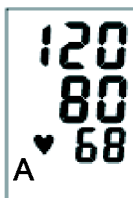


Fig.5

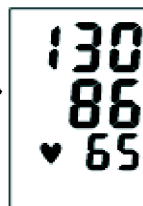
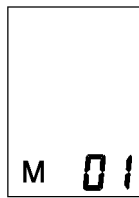


Fig.6

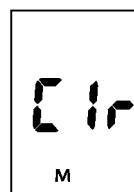




Fig.7

ERROR AND LOW BATTERY INFORMATION

INDICATION	POSSIBLE REASON	CORRECTION METHODS
	<p>The cuff is put on wrongly or the tube plug is inserted too loosely.</p> <p>Movement of arm/hand or talking during measurement.</p> <p>The cuff is not inflated to necessary pressure.</p> <p>Arrhythmia.</p>	<p>Make sure that cuff is put on correctly and the tube plug is inserted tightly and repeat the measurement</p> <p>Repeat the measurement with following completely recommendations of manual.</p> <p>Repeat the measurement with pumping cuff to higher pressure.</p> <p>Consult your personal Physician</p>
	<p>The battery is weak.</p>	<p>Replace the battery with new one</p>

CARE, STORING, REPAIR AND RECYCLING

- 1.It's necessary to protect this device against high moisture, direct sunlight, shock, solvent, alcohol and gasoline.
 - 2.Remove the batteries if the device is to be stored for a long time, and keep the batteries far from the children.
 - 3.Keep the cuff and inflation bulb from sharp subject and don't extend or twist the cuff.
 - 4.Use only soft and dry cloth to clean the device.
 - 5.The cuffs are sensitive and must be handled with care. You can clean the cuff cover with damp cloth.
- WARNING:** Under no circumstances may you wash the inner bladder!
- 6.It is necessary to consult specialists yearly for checking technical condition of the device. Please consult your dealer for more information.
 - 7.Since neither the device nor batteries are household waste, follow your local recycling rules and dispose them at appropriate collection sites.



Disposal: *The product must not be disposed of along with other domestic waste. The users must dispose of this equipment by bringing it to a specific recycling point for electric and electronic equipment.*

For further information on recycling points contact the local authorities, the local recycling center or the shop where the product was purchased. If the equipment is not disposed of correctly, fines or penalties may be applied in accordance with the national legislation and regulations.

TROUBLESHOOTING

SYMPTOM	CHECK POINT	REMEDY
No display when the O/I button is pressed.	The battery has run down The polarity of battery is wrong The contact of battery compartment is polluted	Replace the battery with new one. Install the batteries correctly. Clean the battery terminals with dry cloth.
The reading is extremely low or high.	Is the cuff at the same level as the heart Is the cuff wrapped right? Did you strain your arm during measurement? Did you talk or move your arm (or hand) during measurement?	Make sure that your posture is right Wrap the cuff correctly Relax during measurement Keep quiet and silent during the measurement
Pulse rate is too low or too high	Did you talk or move your arm (or hand) during measurement? Did you make measurement right after exercise?	Keep quiet and silent during the measurement Take measurement again after resting for more than 5 minutes
The batteries are run down soon	Faulty batteries are used	Suggest to alkaline batteries of known manufacturers
The device is automatically turned off	It is the result of automatically turn off system	This is to save the power consumption of the device, and it is not a fault.

GIMA WARRANTY CONDITIONS

Congratulations for purchasing a GIMA product.

This product meets high qualitative standards both as regards the material and the production. The warranty is valid for 12 months from the date of supply of GIMA.

During the period of validity of the warranty, GIMA will repair and/or replace free of charge all the defected parts due to production reasons. Labor costs and personnel traveling expenses and packaging not included. All components subject to wear are not included in the warranty.

The repair or replacement performed during the warranty period shall not extend the warranty.

The warranty is void in the following cases: repairs performed by unauthorized personnel or with non-original spare parts, defects caused by negligence or incorrect use.

GIMA cannot be held responsible for malfunctioning on electronic devices or software due to outside agents such as: voltage changes, electro-magnetic fields, radio interferences, etc.

The warranty is void if the above regulations are not observed and if the serial code (if available) has been removed, cancelled or changed.

The defected products must be returned only to the dealer the product was purchased from. Products sent to GIMA will be rejected.