GIMA
PROFESSIONAL MEDICAL PRODUCTS

Gima S.p.A. - Via Marconi, 1
20060 Gessate (MI) Italy
gima@gimaitaly.com - export@gimaitaly.com
www.gimaitaly.com

SFIGMOMANOMETRO ANEROIDE DAYTON
ANEROID SPHYGMOMANOMETER DAYTON
TENSIOMETRE ANÉROÏDE DAYTON
ESFIGMOMANÓMETRO ANEROID DAYTON

Manuale d'uso
User manual
Manuel de l'utilisateur
Guía de Uso

ATTENZIONE: *Gli operatori devono leggere e capire completamente questo manuale prima di utilizzare il prodotto.*
ATTENTION: *The operators must carefeully read and completely understand the present manual before using the product.*
AVIS: *Les opérateurs doivent lire et bien comprendre ce manuel avant d'utiliser le produit.*
ATENCIÓN: *Los operadores tienen que leer y entender completamente este manual antes de utilizar el producto.*

HONSUN (NANTONG) Co., Ltd.
No.8 Tongxing Road Economic & Technological Development Area,
226009 Nantong City, China
Made in P.R.C.

EC REP
Shanghai International Holding Corp. GmbH (Europe)
Eiffestrasse 80, 20537 Hamburg, Germany

CE 0123

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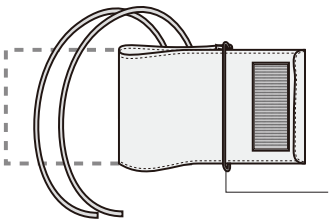
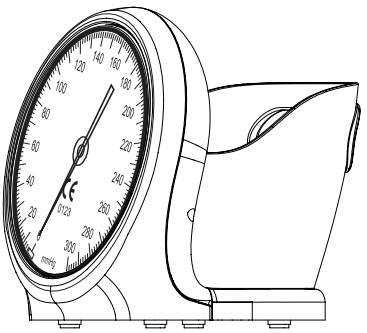
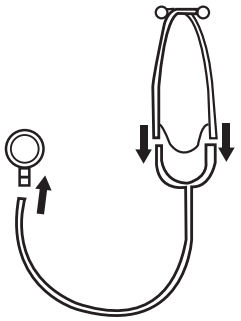
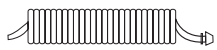
PARTS AND COMPONENTS

1. Sphygmomanometer
2. Cuff
3. Bulb
4. Spiral PVC tube
5. Basket
6. Stethoscope (optional)









GENERAL

Before using, please read through this user's manual carefully and then keep it in a safe place. For further questions on the subject of blood pressure and its measurement, please contact your doctor.

What is blood pressure?

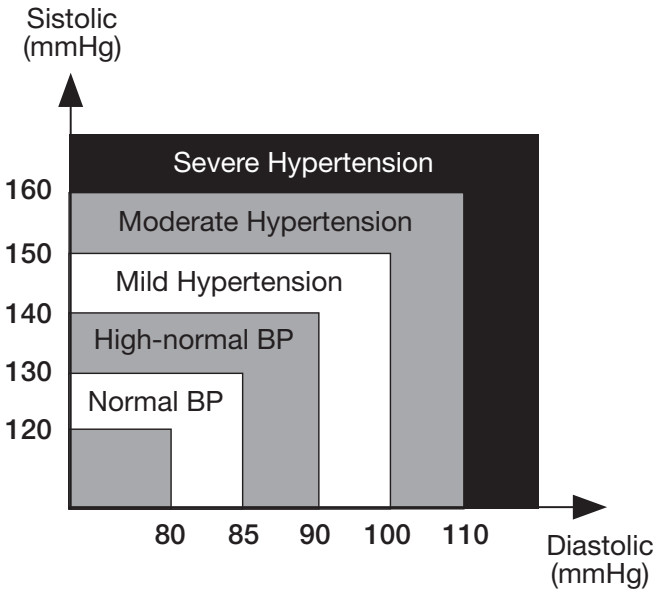
Blood Pressure is a measurement of the pressure of the blood flowing against the walls of the arteries. Arterial blood pressure is changing constantly during the course of the cardiac cycle. The highest pressure in the cycle is called the systolic blood pressure, and the lowest is the diastolic blood pressure; the both readings are necessary to enable you to evaluate the status of your blood pressure.
Many factors such as physical activity, anxiety, or the time of day, can influence your blood pressure. Blood pressure is typically low in the morning but high from afternoon to evening. It is lower in the summer but higher in the winter.

What is normal blood pressure?

Blood pressure varies from individual to individual and is dependent upon a number of factors, such as age, weight, physical condition of gender. The classic normal reading for an adult between the age of 18 and 45 is 120/80mmHg. Remember, only your physician is qualified to determine whether the readings you obtain are normal for you.
Note: Blood pressure does vary with age, so you must check with your doctor to find out what is "normal" for you. Under no circumstances should you alter the dosages of any drugs prescribed by your doctor!

Who blood pressure classification indication

According to the World Health Organization (WHO) Guidelines/Definitions, the test results can be classified and evaluated according to the chart on the on next page.
The indicator displays a segment, based on the current data, corresponding to the WHO classification.
For example, if your blood pressure is 135 mmHg (Systolic Pressure), 78 mmHg (Diastolic Pressure), according to the WHO standard, your blood pressure level is 'High normal'.



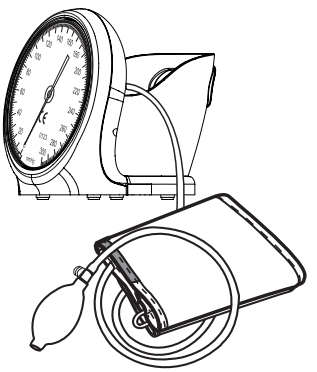
Note:

- If the systolic blood pressure and diastolic blood pressure fall into different categories, the higher value should be taken for classification.
- The WHO blood pressure classification indication in the device is only a reminder; it can't be regarded as the final diagnosis.

PRECAUTIONS

- Any strenuous activity immediately before measurement is prohibited.
- Rest 5 to 10 minutes before measuring your blood pressure.
- Always measure the same arm (normally left).
- Do not hold the head of the stethoscope with your thumb. The thumb has a beat of its own, which may interfere with the reading.
- Do measure your blood pressure the same time each day.
- Record the date and time when measurement was made.
- Talking, eating, drinking or excessive movements are prohibited during the measurement process.

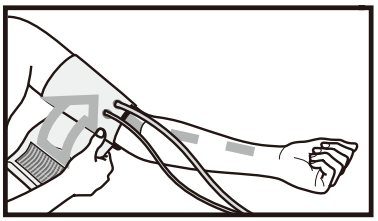
INSTRUCTIONS FOR USE

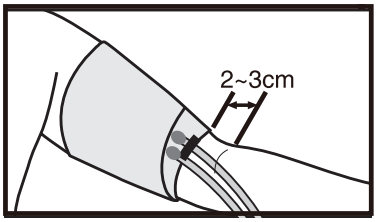


1. Connect the cuff, gauge, bulb and valve as shown in the illustration.

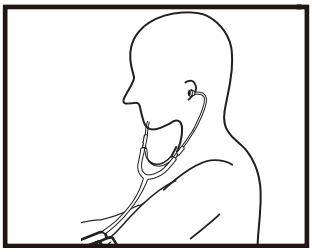
2. Fitting the Cuff: The user should be in a warm environment. Tight or restrictive clothing should be removed from the arm. Sit down at a table or desk where you can easily rest your arm. Wrap the cuff around the uncovered arm so the middle of the cuff is over the brachial artery pulse. Position the cuff approximately 2-3cm (0.8in-1.2in) above the elbow. Most cuffs have Velcro, making it easy to keep the cuff in place. Make sure the cuff is snug, and not be too tight. Two fingers should be easily put in

between the cuff and arm. The cuff should be at about the same level as your heart. If someone else is taking your blood pressure, you may recline.

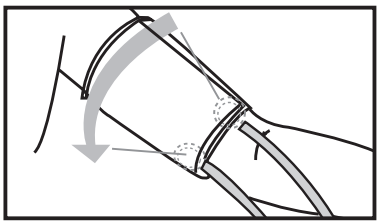




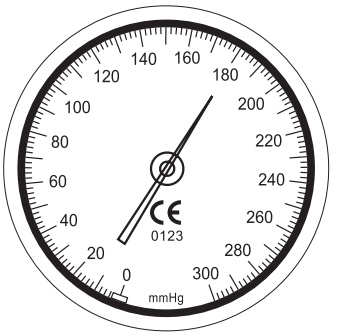
3. Gently place the stethoscope's ear pieces in your ears.



4. Place the head of the stethoscope just below (2.5-8cm or 1.0-3.2in) the armpit, near the inside middle part of the arm. It must not be pressed too firmly or touch the cuff, or the diastolic pressure may be underestimated.



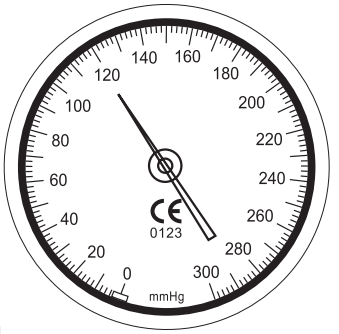
5. Pump the bulb slowly but steadily until the pressure reaches about 30 mmHg above your usual systolic pressure.
If you have never measured your blood pressure, please inflate the pressure to 180 mmHg.



Note: You should not keep the cuff inflated any longer than necessary.

6. Stop inflating and then adjust the valve so as to get the pressure drop slowly and steadily at about 2-3 mmHg per second. Listen and watch

the dial plate carefully during deflation, the point at which repetitive, clear tapping sounds first appear for at least two consecutive beats gives the systolic blood pressure. The point where the repetitive sounds finally disappear gives the diastolic blood pressure.



7. After you get the diastolic pressure, push or adjust the deflation valve to the bottom for rapid deflation. Remove the cuff from arm and stethoscope from ears.

8. Record your readings and the time of the day measurement is made immediately after you finish measuring. Repeat the measurement two or more times. A convenient time is the first thing in the morning, or just before evening meals. Remember that your physician is the only person qualified to analyze your blood pressure.

TROUBLESHOOTING

If problems occur when using the device, the following points should be checked and if necessary, the corresponding measures are to be taken.

Problem	Solution
The sound transmission is poor, distorted or there is extraneous noise.	1. Check the earpieces if they are plugged or cracked. If not, make sure they do not fit poorly as worn. 2. Check the tube whether it is broken or twisted. 3. Check the bell and diaphragm of chestpiece whether there is any crack.
The pressure does not rise although the bulb is pumping.	1. Make sure that the valve is closed. 2. Make sure the cuff is properly connected to bulb and manometer. 3. Check whether the cuff, tube or bulb is leaky. Replace the defective parts if any.
The deflation rate cannot be set to 2-3 mmHg/ sec. by adjusting the air release valve.	Disassemble the valve from bulb to check if there is any blockage in the airway of the valve. Clean the blockage and try again. If it still does not work, replace it to avoid inaccurate reading.

MAINTENANCE AND STORAGE

With proper care and maintenance, your blood pressure kit will provide years of satisfactory service. The basic rules:

- Do not strike or drop.
- Never inflate over 300mmHg.
- Never expose the product to intensive solar radiation directly.
- Never touch the cuff fabric or parts with a sharp instrument, since this could cause damage.
- Always deflate cuff completely before storage.
- Do not dismantle manometer under any circumstances.
- Store all instrument in storage case provided to keep the chestpiece and all the other parts clean.
- Storage temperature condition: -20°C to 70°C at relative air humidity of 85% (non-condensing).
- Wipe off the manometer and bulb with a damp cloth. Sterilization is not necessary, since the parts do not come into direct contact with the patient's body.
- Remove the bladder first, and wipe the velcro, bladder and tubes with a damp cloth. The cuff can be washed with soap and cold water like all the other cuffs, but you must rinse the cuffs with clear water afterwards and let them air dry.

TECHNICAL SPECIFICATIONS

Feature	Specification	
Scale range	0-300 mmHg	
Measuring range	0-300 mmHg	
Scale graduation	2 mmHg	
Accuracy	±3 mmHg	
Air leakage	<± 4mmHg/min	
Operating condition	Temperature	+10°C to +40°C
	Humidity	20% to 85%
Storage condition	Temperature	-20°C to +70°C
	Humidity	20% to 85%

REFERENCE TO STANDARDS

Device corresponds to below requirements:
EN1060-1: 1996 / EN1060-2: 1996
ANSI / AAMI SP9

DECLARATION

The manufacturer reserves the right to make technical changes without notice in the interest of progress.
Prior notices will not be given in case of any amendments within this manual.
The mentioned trademarks and names are owned by the corresponding companies.

INDICE DEI SIMBOLI

 Consult instructions for use

LOT Lot Number

REF Catalog #

***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.*

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 devicesor software due to outside agents such as: voltage changes, electro-magnetic elds, 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.