

MISURATORE DI PRESSIONE SANGUIGNA AUTOMATICO
AUTOMATIC ARM BLOOD PRESSURE MONITOR
APPAREIL DE MESURE DE LA PRESSION ARTÉRIELLE
AUTOMATIQUE
AUTOMATISCHER BLUTDRUCKMESSER FÜRS
MEDIDOR DE PRESIÓN SANGUÍNEA AUTOMÁTICO
MEDIDOR DA PRESSÃO SANGUÍNEA AUTOMÁTICO
ΜΕΤΡΗΤΗΣ ΠΙΕΣΕΩΣ ΑΙΜΑΤΟΣ

جهاز قياس للضغط الشرياني

Manuale d'uso e manutenzione
Use and maintenance book
Instructions de fonctionnement et entretien
Betriebs und wartungs anweisungen
Manual de uso y mantenimiento
Manual de uso e manutenção
Εγχειρίδιο χρήσης και συντήρησης
دليل الإستعمال والرعاية

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.

AVIS: Les opérateurs doivent lire et bien comprendre ce manuel avant d'utiliser le produit.

ACHTUNG: Die Bediener müssen vorher dieses Handbuch gelesen und verstanden haben, bevor sie das Produkt benutzen.

ATENCIÓN: Los operadores tienen que leer y entender completamente este manual antes de utilizar el producto.


ATENÇÃO: Os operadores devem ler e entender completamente este manual antes de usar o produto.

ΠΡΟΣΟΧΗ: Οι χειριστές αυτού του προϊόντος πρέπει να διαβάσουν και να καταλάβουν πλήρως τις οδηγίες του εγχειριδίου πριν από την χρήση του.

الحدس: على العمال قراءة وفهم هذا الدليل بكامله قبل البدء باستعمال المنتج.



REF 32787

 Gima S.p.A.
Via Marconi, 1
20060 Gessate (MI) Italy
Made in China



SAFETY PRECAUTIONS

- Babies, young children or individuals who cannot express their consent are not suitable to take blood pressure measurement.
- Individuals with serious arteriosclerosis are not suitable to take blood pressure measurement.
- Blood pressure readings may change in case of pregnancy. Pregnant women can consult their doctor before taking measurement.
- Self-measurement is not medical treatment. If there are unusual values, please consult your doctor.

Handling batteries properly (optional accessory):


- As soon as old batteries run out, replace with new batteries.
- Do not use old and new batteries together.
- Align the polarities of batteries correctly.
- When the unit will not be used for more than 3 months, remove the batteries. Otherwise, batteries may leak and cause damage to the unit.

Handling AC adapter properly:

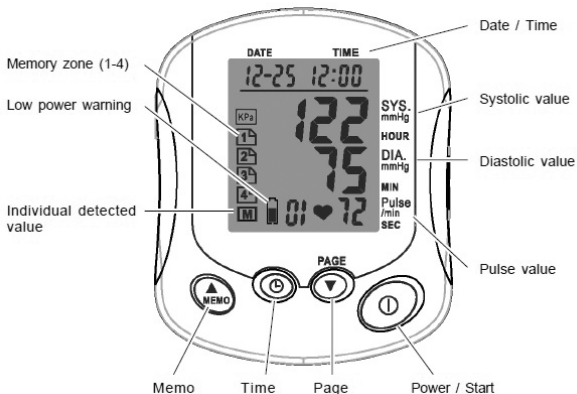
- Never unplug the power cord with wet hands.
- Use only the original AC adapter designed for this unit.

QUICK START GUIDE

Avoid smoking, eating or exercising for 30 minutes before taking measurement

1. Sit upright in a chair with your both feet on the floor.
2. Remove tight fitting clothing from you upper arm and thick clothing.
3. Pull on the end of the cuff until it wraps securely around your upper arm. Place your arm on a table so that the cuff will be at the same level as your heart.
4. Press the “  ” button. The cuff will automatically inflate and the measurement will start.
5. When the measurement is complete, the cuff will automatically deflate and your systolic and diastolic pressure values and pulse rate will display.

OVERVIEW



Package Contents:

- Main unit
- Arm Cuff
- 4 x AA Alkaline Batteries

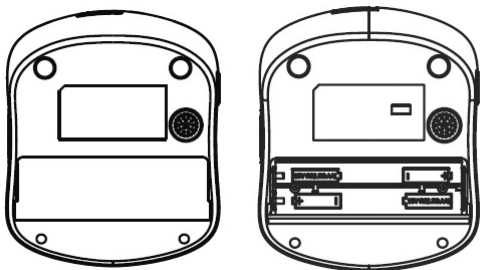
Features


- One Touch Operation
- 4 User / 120 Total Memory
- Auto-off Power Saving Feature
- Operated by 4 AA batteries (AC Adapter optional)
- Blood Pressure Indicator
- 4 Alarm Clock Settings

PREPARATION

2.1 Battery Installation


1. Pull and lift on the lock to remove the battery cover.
2. Insert 4 AA batteries with the polarities in correct direction.
3. Replace the battery cover. Press it lightly until the lock securely clicks into place.

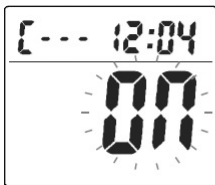



Note: Replace batteries when the battery indicator “” shows low voltage.

2.2 Date & Time Setting

Nota:

- Set the correct date and time before taking a measurement.
 - Date and time should be reset after replacing new batteries.
1. Press and hold the “” button for a few seconds until the year display flashes.
 2. Press the “▲MEMO” or “page ▼” button to select the current year.
 3. Press the button to confirm year setting.
 4. Follow the same steps to set the month, date, hour and minute.



5. You can choose Clock Function “ON” or “OFF” while the monitor is not in use. Press “▲MEMO” or “page ▼” button to select. Press the “” button to confirm.

Note: If you select Clock Function “ON”, you will continue at the Alarm Setting section. Otherwise, setting will end.

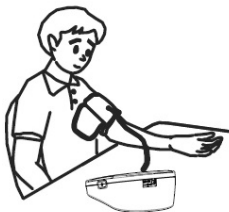
TAKING MEASUREMENT

Note:

- Avoid smoking, eating or exercising for 30 minutes before taking measurement.
- Do not move or talk during measurement.
- Measurement can be taken on either arm.

3.1 Sitting Correctly

1. Relax
2. Sit upright in a chair with your both feet on the floor.
3. Remove tight fitting clothing from you upper arm and thick clothing.
Do not roll up your sleeve if it is too tight.
4. Place your arm on a table so that the cuff will be at the same level as your heart.




3.2 Applying the Arm Cuff

1. Place your elbow on a table and palm facing upward, and wrap the arm cuff around the upper left arm
2. Pull on the end of the cuff until it wraps securely around your upper arm. Do not over tighten the cuff. Allow 1-2 cm or 1/2 inch between the bottom of the cuff and your elbow joint.
3. Make sure the cuff is at the same level as your heart.

3.3 User Setting


Press “page ▼” button to switch between User Page 1,2,3,4. This unit allows a maximum of 4 users to store measurement records in different User Pages.

3.4 Taking Measurement

1. Press the “” button. The cuff will automatically inflate and the measurement will start.
2. When the measurement is complete, the cuff will automatically deflate and your systolic and diastolic pressure values and pulse rate will display.
3. Remove the arm cuff and take note of your measurement results.

Note: You can press the “” button to stop measurement at any time.

MEMORY FUNCTIONS

After measurement, the last set of measured values will be saved automatically after measurement when the unit is turned off by pressing “” button or by automatic power-off after 3 minutes.

4.1 View Past Readings

1. Press the “▲MEMO” button to enter memory function.

- If the User Page is not what you want to view, press the “page ▼” button to select.
- Press the “▲MEMO” button to display the next sets of values. Past readings are displayed from the most recent to the oldest.
- This can stored up to 30 sets of past readings for each user (4x30).

4.2 Delete Past Readings

User can delete all the past readings stored in memory by replacing the batteries.

- Press the “page ▼” button to select the user page you want to delete.
- Press and hold the “▲MEMO” & “page ▼” button simultaneously for 5 seconds. Symbol of “EE EE” will be displayed and all past readings stored in that user page will be deleted.

To delete an individual measurement from the memory

- First press the “page ▼” button to select the user.
- Press the “▲MEMO” button to select the stored measurement to be deleted from the memory.
Press and hold the “AVG Ⓡ” button for 5 seconds or until “DEL” appears in the display. Press the “▲MEMO” button to delete.

TROUBLESHOOTING

Problem	Cause	Solution
No display when you press the Power /Start button	Have the batteries run out?	Replace new batteries.
	Are the battery polarities wrong?	Re-align batteries in correct polarities.
“Er P” displayed	Fail to inflate	Check if the cuff is properly connected. Replace the air tube if it is broken.
“Er 1” displayed	Deflate too rapidly.	Return for servicing.
“Er 2” displayed	Movement during measurement.	Do not move during measurement.
	Signal interference.	Remove interfering source e.g. mobile phones, magnets.
“Err 3” displayed	Incorrect results.	Measure again.

Note: If your problem cannot be solved by the above, consult your store of purchase. Do not disassemble the unit.

STORAGE & MAINTENANCE

- Keep away the unit from direct sunlight, extreme temperatures, humidity or moisture.
- Use a dry, soft cloth to clean the unit, or if desired, use a cloth lightly dampened with water.
- Do not use alcohol, benzene, thinner or other volatile liquids to clean the unit.
- Do not wash or expose the wrist cuff to liquid.
- Remove batteries from the unit when it will not be used for more than 3 months.

SPECIFICATIONS

Model	32787
Measurement Method	Oscillometric
Measurement range	Pressure 20-280 mmHg Pulse rate 40-195 beats/min
Accuracy	Pressure ± 3 mmHg Pulse rate $\pm 5\%$
Inflation	Pump driven
Pressure detection	Semi-conductor
Power supply	4 x AA batteries
Auto power off	3 minutes after last operations
Storage Environment	-20 to 60°C, 10% to 95% RH
Operation Environment	10 to 40°C, 30% to 85% RH
External Dimensions	120 x 140 x 70 mm
Net weight	370g (batteries excluded)
Cuff Dimensions	For arm circumference of 22-34 cm (special size to be ordered separately).
Package Content	Automatic blood pressure, instruction manual, cuff, battery set.

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 pulsates 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.

	Caution: read instructions (warnings) carefully		Follow instructions for use
	Keep in a cool, dry place		Keep away from sunlight
	Manufacturer		Date of manufacture
	Product code		Lot number
	Medical Device complies with Directive 93/42/EEC		Serial number
	WEEE disposal		Type BF applied part



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 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.