

accumed

Automatic Upper Arm Blood Pressure Monitor



Model: CG155f

EN English

Introduction

Blood pressure measurements determined with CG155f are equivalent to those obtained by a trained observer using cuff/stethoscope auscultation method, within the limits prescribed by the American National Standard, Electronic or Automated Sphygmomanometers. This unit is to be used by adult consumers in a home environment. Do not use this device on infants or teenagers. CG155f is protected against manufacturing defects by an established International Warranty Program. For warranty information, you can contact your local distributor.

Attention: Consult the accompanying documents. Please read this manual carefully before use. For specific information on your own blood pressure, contact your physician. Please be sure to keep this manual.

Real Fuzzy Measuring Technology

This unit uses the oscillometric method to detect your blood pressure. Before the cuff starts inflating, the device will establish a baseline cuff pressure equivalent to the air pressure. This unit will determine the appropriate inflation level based on pressure oscillations, followed by cuff deflation.

During the deflation, the device will detect the amplitude and slope of the pressure oscillations and thereby determine for you the systolic blood pressure, diastolic blood pressure, and pulse.

Preliminary Remarks

This Blood Pressure Monitor complies with the European regulations and bears the CE mark "CE 0120". The quality of the device has been verified and conforms to the provisions of the EC council directive 93/42/EEC (Medical Device Directive), Annex I essential requirements and applied harmonized standards.

EN 1060-1: 1995/A2: 2009 Non-invasive sphygmomanometers - Part 1 - General requirements

EN 1060-3: 1997/A2: 2009 Non-invasive sphygmomanometers - Part 3 - Supplementary requirements for electro-mechanical blood pressure measuring systems

EN 1060-4: 2004 Non-invasive sphygmomanometers - Part 4: Test Procedures to determine the overall system accuracy of automated non-invasive sphygmomanometers.

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This blood pressure monitor was designed for long service time. To ensure accurate measurements, this monitor is recommended to be re-calibrated every two years.

Blood Pressure Standard

The National High Blood Pressure Education Program Coordinating Committee has developed a blood pressure standard, classifying blood pressure ranges into 4 stages. (Ref: The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure-Complete Report JNC-7, 2003). This blood pressure classification is based on historical data, and may not be directly applicable to any particular patient. It is important that you consult with your physician regularly. Your physician will tell you your normal blood pressure range as well as the point at which you will be considered at risk. For reliable monitoring and reference of blood pressure, keeping long-term records is recommended. Please download the blood pressure log at our website www.accumed.ch.

Display Explanations

E1 / Error message: Make sure the L-plug is securely connected to the air socket and measure again quietly. Wrap the cuff correctly and keep arm steady during measurement. If the error keeps occurring, return the device to your local distributor or service center.

E1 / Air Circuit Abnormality: Make sure the L-Plug is securely connected to the air socket on the side of the unit and measure again quietly. If the errors still occur, return the device to your local distributor or service center.

E2 / Pressure Exceeding 300 mmHg: Switch the unit off and measure again quietly. If the error keeps occurring, return the device to your local distributor or service center.

E3 / Data Error: Remove the batteries, wait for 60 seconds, and re-load. If the error keeps occurring, return the device to your local distributor or service center.

E4 / Exceeding Measurement Range: Measure again quietly. If the error keeps occurring, return the device to your local distributor or service center.

Movement Detection

The "Movement Detection" helps reminding the user to remain still and is indicating any body movement during measurement. The specified icon appears once a "body movement" has been detected during and after each measurement.

Note: It's highly recommended that you measure again if the icon appears.

Hypertension Risk Indication

The National High Blood Pressure Education Program Coordinating Committee has developed a blood pressure standard, classifying blood pressure ranges into 4 stages. This unit is equipped with an innovative blood pressure risk indicator, which visually indicates the assumed risk level (normal □ / prehypertension ■ / stage 1 hypertension ▲ / stage 2 hypertension ▲) of the result after each measurement.

Irregular Heartbeat (IHB) Detection

This unit is equipped with an Irregular Heartbeat (IHB) Detection which allows those who have an irregular heartbeat to obtain accurate measurements alerting the user of the presence of an irregular heart beat during the measurement.

Note: It is strongly recommended that you consult your physician if the HB icon appears often.

Installing Batteries

1. Press down and lift the battery cover in the direction of the arrow to open the battery compartment.

2. Install or replace 4 "AAA" sized batteries in the battery compartment according to the indications inside the compartment.

3. Replace the battery cover by clicking in the bottom hooks first, then push in the top end of the battery cover.

4. Replace the batteries in pairs. Remove batteries when unit is not in use for extended periods of time.

You need to replace the batteries when:

1. low battery icon appears on display.

2. The ON/OFF/START key is pressed and nothing appears on display.

3. Leaky batteries can damage the unit. Remove the batteries when the unit is not used for a long time.

4. The unit should not be operated by children so to avoid hazardous situations.

5. If the unit is stored near freezing, allow it to acclimate at room temperature before use.

6. This unit is not field serviceable. You should not use any tool to open the device nor should you attempt to adjust anything inside the device. If you have any problems, please contact the store or the doctor from whom you purchased this unit.

7. Batteries are hazardous waste. Do not dispose them together with the household garbage.

8. There are no user serviceable parts inside. Batteries or damage from old batteries are not covered by warranty.

9. Use exclusively brand batteries. Always replace with new batteries together. Use batteries of the same brand and same type.

Applying the Cuff

1. Unwrap the arm cuff, leaving the end of the cuff through the D-ring of the cuff.

2. Put your left arm through the cuff loop. The color strip indication should be positioned closer to you with the tube pointing in the direction of your arm (Fig. ①). Note: Your left palm upward and place the edge of the cuff at approximately 1.5 to 2.5 cm above the inner side of the elbow joint (Fig. ②). Tighten the cuff by pulling the end of the cuff.

3. Center the tube over the middle of the arm. Press the hook and loop fastener through the cuff loop.

4. Put your left arm through the cuff loop. The color strip indication should be positioned closer to you with the tube pointing in the direction of your arm (Fig. ③). Note: Your left palm upward and place the edge of the cuff at approximately 1.5 to 2.5 cm above the inner side of the elbow joint (Fig. ④). Tighten the cuff by pulling the end of the cuff.

5. If the unit still does not work, return it to your dealer. Under no circumstance should you disassemble and repair the unit by yourself.

Cautionary Notes

1. The unit contains high-precision assemblies. Therefore, avoid extreme temperatures, humidity, and direct sunlight. Avoid dropping or strongly shocking the main unit, and protect it from dust.

2. Clean the blood pressure monitor body and the cuff carefully with a slightly damp, soft cloth. Do not press. Do not wash the cuff or use chemical cleaner on it. Never use thinner, alcohol or petrol (gasoline) as cleaner.

3. Leaky batteries can damage the unit. Remove the batteries when the unit is not used for a long time.

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Norme relative à la pression artérielle

Le Comité national de coordination de programme éducatif sur l'hypertension aux États-Unis a élaboré une norme relative à la pression artérielle, classant les plages de tension en 4 niveaux. (ref. le septième rapport du Comité national mixte sur la prévention, la détection, l'évaluation et le traitement de l'hypertension aux États-Unis, rapport complémentaire JNC-7, 2003). Cette classification de la pression artérielle se base sur des données historiques. Elle ne peut être appliquée telle quelle à un patient donné. Veuillez consulter votre médecin régulièrement. La mesure commence alors. Il est important de rester immobile et calme durant la mesure. Tout mouvement sensible peut affecter les résultats de mesure.

3. A la fin de la mesure, la pression systolique, la pression diastolique et le pouls sont affichés simultanément et mémorisés automatiquement.

4. La mesure est maintenant achevée. Appuyez sur la touche ON/OFF/DEMARRAGE pour mettre l'instrument hors tension. Si aucune touche n'est pressée, l'instrument s'arrête au bout de 1 minute.

5. Ce tensiomètre régonne automatiquement le brassard à une pression d'environ 220 mmHg si le système détecte que votre corps a besoin de plus de pression pour les mesures.

6. Ce tensiomètre s'arrête automatiquement 1 minute après la dernière pression de touche.

7. Pour interrompre la mesure, pressez la touche Mémoire ou ON/OFF/DEMARRAGE. Le brassard se dégonfle tout de suite.

8. Evitez de parler ou de bouger les muscles de votre bras ou main pendant la mesure.

9. Si l'unité ne fonctionne toujours pas, renvoyez l'appareil au fabricant.

10. Veuillez nous contacter pour toute question.

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