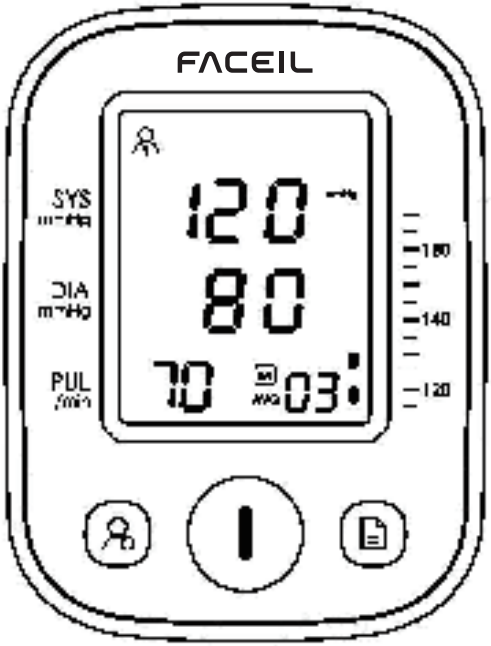
Electronic Blood Pressure Monitor

Tensiomètre électronique



JPD-HA200 User Manual

Version: V2.2

Revision Date: 2022.07

CE 0483

Product Composition

The product is comprised of the host machine and the cuff of Electronic Blood Pressure Monitor.

Application Scope

The Electronic Blood Pressure Monitor is used to measure the diastolic pressure, systolic pressure and pulse rate of adults by oscillometric method for diagnostic reference.

Intended use

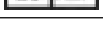
The Electronic Blood Pressure Monitor is intended to measure the systolicand dlastolic blood pressure as well as the pulse rate of adult person vla non-invaslveoscillometric technique at medical facilities or at home.

Utilisation prévue

le tensiomètre électronique est destiné à mesurer la pression artérielle systolique et dlastolique ainsi que le pouls d'une personne adulte vla technique non-invaslveoscillométrique dans des établissements médicaux ou à domicile.

Safety Precautions

The warnings and illustrations shown in the User Manual enable you to use the product safely and correctly, thus preventing you and others from being injured, specifically as follows:

Legend, mark and meaning	
	Warning message
	Anti-electric shock degree is Type BF of the application part
	When the product life expires and the end users discard the products, send them to the designated collecting and separating place for disposal according to the requirements from the local environmental protection authority.
	Consult the instructions for use.
	This product complies with the MDD93/42/EEC requirements.
IP21	Degree of protection against the ingress of water.
	Information of manufacturer
	Date of manufacture
	Authorized European Representative

Quick Start Guide

Avoid smoking, eating, drinking caffeinated drinks or exercising for 30 minutes before taking measurement.

1. Sit upright in a chair with both feet on the floor.

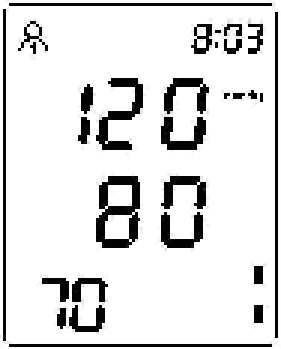
2. Remove tight fitting clothing from your upper arm along with any thick clothing.



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. The cuff will automatically inflate and the measurement will start, upon pressing the " " button.

5. When the measurement is complete, the cuff will automatically deflate and your systolic and diastolic pressure values and pulse rate will be displayed.



Overview

Monitor



Features

- **Universal Cuff**
- **Irregular Heartbeat Detector**
- **Average of last 3 readings**
- **99 Readings* 2 Users**
- **Auto-off Power Saving Feature**
- **Operated by 4 AAA batteries (USB 5V optional)**

Display

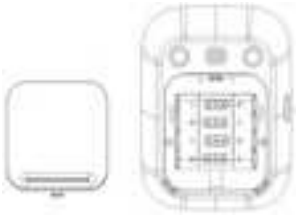


Packing List

No.	Name	Quantity
1	Electronic Blood Pressure Monitor/Tensiomètre électronique	1
2	Cuff	1
3	Dry Battery (AAA)	4
4	User Manual	1
5	Easy-to-carry Storage Bag	1

Preparation

2.1 Battery Installation



a) Open the battery cover as shown in the picture.

b) Place 4 AAA dry batteries. Pay attention to the battery electrode indication.

2.2 Battery power indication and replacement

After the product is turned on, if low power symbol appears on the screen , the measurement cannot be performed, and the battery must be replaced.

⚠ Do not use any expired battery;

⚠ If the product is not used for over 3 months, please take out the batteries.

2.3 USB Power Supply

USB line can be connected for power supply of the product without battery.

2.4 Cuff

The applicable arm circumference range of the cuff is 22-36cm or 22-42cm.

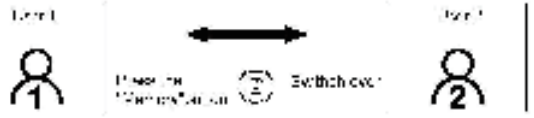


Connection: Insert the air plug of cuff air tube into air jack of the Electronic Blood Pressure Monitor. Figure shown as above:

Function Setting Mode

3.1 User mode

In the shutdown state, press the “User” button for 3 seconds, the screen displays “User 1” or “User 2”, and flickers continuously. Press the “Memory” button to switch to the other user. (default user: User 1)



(Note: In the shutdown state, press “User” button to view the current time and the current user)

3.2 Year/Month/Date/Time setting

In the shutdown state, press the “User” button for 3 seconds to enter the setting mode. Press the “User” button to enter the year setting mode (or automatically enter the year setting mode after the batteries are reloaded and the device is powered on), the screen displays 20XX and flickers continuously. Press the “Memory” button to increase the value which can be switched among 2019 and 2039. Press the “User” button for confirmation and enter the month setting mode. After entering the month setting mode, the screen will display xx-xx and flash on the month. Press the “Memory” button to increase the value

which can be switched among 1 and 12, press the “User” button for confirmation and enter the date setting mode. After entering the date setting mode, XX-XX is displayed on the screen and flickers on the date display. Press the "Memory" button to increase the value which can be switched among 01 and 31, press the “User” button for confirmation and enter the time setting mode. After entering the time setting mode, the screen will display XX: XX and it will flicker continuously, press the “Memory” button to increase the value which can be switched among 0 and 23, press the “User” button for confirmation and enter the minute setting mode, press the “Memory” button to increase the value which can be switched among 00 and 59, press the “User” button for confirmation and enter the talking function setting.



Note:

When setting time values, continue pressing the “Memory” button till the correct values are well set. Value ranges are year (2019~2039), month (01~ 12), date (01~31), hour (1~12 AM/PM) and minute (00~59).

When the ceiling value of a certain time sector is reached, the relevant value of the sector will start from the minimum individually.

3.3 Talking function setting (voice version only)

After entering talking function setting mode, "SYS" will show up at the SYS area, with the current voice status "ON" / "OF" and voice icon (not displayed, when talking function mode is off) at the DIA area. Press the "Memory" button to switch the voice status, and press the "User" button for confirmation and enter the unit display setting.



3.4 Unit setting

After entering the unit setting mode, the SYS area will display "PA" and unit area will display mmHg, it means the unit mmHg is selected (system default unit: mmHg), At this time, press of the "Memory" button, the unit will be switched, it means the unit kPa is selected. After selecting the unit, press the "User" button again to save the unit setting.



4.1 How to use the cuff

(1) Place the cuff flat on the table, leave the hook & loop downwards, and pass the end of cuff through the metal ring to form a loop. The hook & loop shall point outwards.

Placez le brassard à plat sur la table, laissez le crochet et la boucle vers le bas et passez l'extrémité du brassard à travers l'anneau métallique pour former une boucle. Le crochet et la boucle doivent pointer vers l'extérieur.

(2) Pull the cuff through the upper arm to be measured, and wear the cuff correctly based on the downward icon " **Φ** ", the air tube runs down the inside of your arm.

Tirez le brassard à travers le haut du bras à mesurer et portez le brassard correctement en vous basant sur l'icône vers le bas « Φ », le tube d'air descend à l'intérieur de votre bras.

(3) Hook up the cuff on the upper arm according to the illustration, ensure that the lower edge of cuff is 2~3cm away from the elbow joint.

Accrochez le brassard sur le haut du bras selon l'illustration, assurez-vous que le bord inférieur du brassard est à 2 à 3 cm de l'articulation du coude.

(4) Tighten the free edge of cuff to stick the hook & loop.

Serrez le bord libre du brassard pour coller le crochet et la boucle.

(5) The cuff should be wrapped on the upper arm comfortably, with tight space for two fingers. Before measurement, remove tight fitting clothing from your upper arm along with any thick clothing.

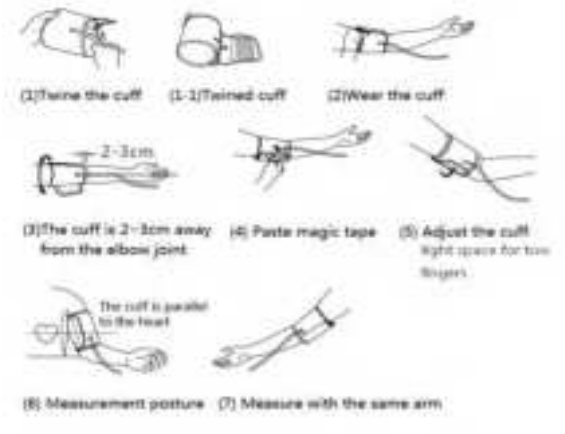
Le brassard doit être enroulé confortablement sur le haut du bras, avec un espace restreint pour deux doigts. Avant la mesure, retirez les vêtements ajustés de votre bras ainsi que tout vêtement épais.

(6) Place the lower arm flat on the desktop, leaving the center of palm naturally upwards, sitting upright, and ensuring the center of cuff and the heart are at the same level. Note that the tube of cuff cannot be folded or bent.

Placez l'avant-bras à plat sur le bureau, en laissant le centre de la paume naturellement vers le haut, en vous asseyant bien droit et en vous assurant que le centre du brassard et le cœur sont au même niveau. Notez que le tube du brassard ne peut pas être plié ou plié.

Note: If you cannot use the left arm for measurement, please use the right arm for measurement. All the measurements must be performed on the same arm for comparison.

Remarque : Si vous ne pouvez pas utiliser le bras gauche pour la mesure, veuillez utiliser le bras droit pour la mesure. Toutes les mesures doivent être effectuées sur le même bras pour comparaison.



4.2 Starting measurement (Démarrage de la mesure)

After you wear the cuff correctly, you can start the measurement:

(1) Press the "Power " button, and the device will return to zero automatically, the air pump will start to inflate the cuff, and the screen will display the change of the pressure in the cuff.

Appuyez sur le bouton "Power ", et l'appareil reviendra automatiquement à zéro, la pompe à air commencera à gonfler le brassard et l'écran affichera le changement de pression dans le brassard.

(2) When reaching the stable pressure upon inflation, the air pump will stop the inflation, and the pressure in the cuff will be reduced gradually and displayed on the screen. If the inflated pressure is insufficient, the device will reinflate the cuff automatically for a higher pressure;

Lorsque la pression stable est atteinte lors du gonflage, la pompe à air arrête le gonflage et la pression dans le brassard est progressivement réduite et affichée à l'écran. Si la pression de gonflage est insuffisante, l'appareil regonfle automatiquement le brassard pour une pression plus élevée ;

(3) When the pulse is measured, the screen will display the "heart" symbol and start flashing. The flashing “heart” symbol will be displayed on the screen.

Lorsque le pouls est mesuré, l'écran affichera le symbole "cœur" et commencera à clignoter. Le symbole “cœur “clignotant s'affichera à l'écran.

(4) Upon measurement completion, the measured values of systolic pressure, diastolic pressure and pulse will be displayed on the screen.

Une fois la mesure terminée, les valeurs mesurées de la pression systolique, de la pression diastolique et du pouls s'affichent à l'écran.

(5) The screen will continue to display the measurement results, unless your long-press on the "Power " button to turn off the device. If there is no operation, the device will be powered off automatically in 30s.

L'écran continuera d'afficher les résultats de mesure, à moins que vous n'appuyiez longuement sur le bouton "START/STOP" pour éteindre l'appareil. S'il n'y a pas d'opération, l'appareil s'éteindra automatiquement dans 30 secondes.

4.3 Using memory function

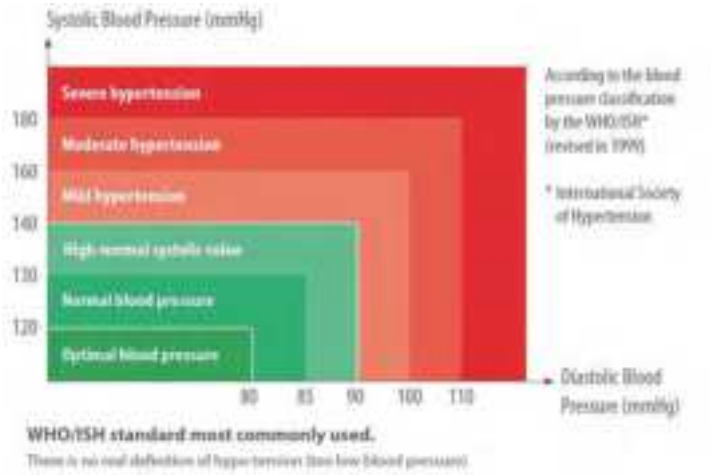
This blood pressure monitor is available for 2 users with 99 memories per user. Track the memory data by pressing “Memory  ” button from the latest measurement, recorded as “1”. Then track “2”, “3” or more via the same operation. When there are over 3 measurement data, in power off state, press “Memory  ” button for the average values of the latest 3 measurement data, recorded as “AVG 03”.

4.4 Clearing stored measurement data

In the shutdown state, long-press “Memory  ” button and “User  ” button for 3 seconds until “  ” shows in the SYS area and “  ” shows in the low DIA area, thus all the measurement data of the current user are deleted.

4.5 Classification standard for blood pressure condition

There is no definition of hypotension yet. Generally, if the systolic blood pressure is less than 100mmHg (13.3kPa), it is hypotension.



Contraindications, Precautions, Warnings and Prompt

(1) Warning:

 Keep the device out of the reach of the children under 12 and people who can't express their intention. When children of 12~18 use the device, they should be accompanied by the adults. Pregnant women shall use under the guidance of doctors.

 Do not wrap the cuff over a wound, as this can cause further injury.

 This model of Electronic Blood Pressure Monitor is suitable for the arm circumference range of 22-36cm or 22-42cm, and if the arm circumference exceeds this range, you might fail to obtain the correct measured value of blood pressure;

 This model of Electronic Blood Pressure Monitor is not suitable for newborns or young children;

 The blood pressure is constantly changing. You shall not judge the blood pressure condition with just one measurement result. The repeated measurement data over a period of time will be more reliable;

 Do not make self-diagnosis according to the measurement results. Please consult your professional doctor with the measurement result record(s). The treatment based on the self-diagnosis of

measurement results is very dangerous;

(2) Precautions:

 Do not repair, disassemble or modify the Electronic Blood Pressure Monitor without permission;

 Do not collide or drop the host to avoid collision or strong impact on the device;

 Do not mix old and new batteries of different brands for use.

 Indoor temperature, environment, noise, user's body position, speech or exercise might affect the blood pressure measurements. The body movement, magnetic field and improper wearing of cuff and sensor will affect the measurement as well.

Troubleshooting

* If you have trouble using the device, please check the following instruction.

Problem	Possible cause	How to correct
No display when press the Power button	Low battery	Replace new batteries or use the USB for power supply.
	The polarities of batteries are installed wrongly.	Install the batteries in correct polarities.
No pressurizing	The air plug is loosely installed.	Make sure the air plug is securely inserted in the main unit.
	The air tube is broken or leaked.	Purchase a new cuff.
“Err 1” displayed	The leakage is too fast or the pulse signal is too weak.	Please check the cuff, tie it up and try again.
“Err 2” displayed	The blood pressure signal cannot be detected due to too much noises.	Please remove the noise sources and measure again.
“Err 3” displayed	The test result is abnormal.	Please measure again.

“Err P” displayed	The inflation fails.	Please check the cuff, tie it up and try again.
“HI ”displayed	The inflation pressure is greater than 307±8 mmHg (41 kPa±1 kPa).	Please measure again.
Note: If your problem cannot be solved by the above, please contact customer service. Do not disassemble the device!		

Storage & Maintenance

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

Disinfection:

Recommended disinfecting agent:

- Isopropanol solution with 70% concentration
- Medical alcohol with 75% concentration

Specifications

Product Name Nom du produit	Electronic Blood Pressure Monitor Tensiomètre électronique	
Model Modèle	JPD-HA200	
Display Mode Mode d'affichage	Digital display mode Mode d'affichage numérique	
Measuring Mode Mode de mesure	Oscillographic method Méthode oscillographique	
Measuring Body Part Mesurer une partie du corps	Upper arm Haut du bras	
Measuring Range Plage de mesure	Pressure value Valeur de pression	0-295mmHg （0kPa-39.3kPa）
	Pulse value Valeur d'impulsion	40-199 pulse beats/min 40-199 pulsations/min
Static measurement Accuracy Mesure statique précision	Pressure value Valeur de pression	±3mmHg（±0.4kPa）
	Pulse value Valeur d'impulsion	± 5% of read value ± 5% de la valeur lue
LCD display	Pressure Pression	Unit : mmHg/ kPa Unité : mmHg/ kPa

	Pulse Impulsion	Pulse rate per minute, displaying three digits Fréquence cardiaque par minute, affichant trois chiffres
Storage capacity Capacité de stockage	It can store 99 groups of measurement data for each of two users Il peut stocker 99 groupes de données de mesure pour chacun des deux utilisateurs	
Power supply source de courant	4 AAA dry batteries /DC 5V USB external power supply 4 piles sèches AAA /Alimentation externe USB DC 5V	
Power Off Mode source de courant	Manual power-off/ Auto power-off Mise hors tension manuelle/mise hors tension automatique	
Device weight (without batteries) Poids de l'appareil (sans piles)	About 195g Environ 195g	
Monitor Size Taille du moniteur	120mm (length) *90mm (width) *43mm (height) 120 mm (longueur) * 90mm (largeur) * 43 mm (hauteur)	
Screen Size Taille de l'écran	59mm (length) *47mm (width) 59mm (longueur) *47mm (largeur)	

<table>
<tr><td>Cuff
Manchette</td><td colspan="3">Upper-arm-type cuff
(measured arm circumference 22-36cm or 22-42cm)
Brassard de type haut du bras
(tour de bras mesuré 22-36cm ou 22-42cm)</td></tr>
<tr><td>Annexure
Annexe</td><td colspan="3">Cuff, User Manual, Dry Battery,
Easy-to-carry Storage Bag
Brassard, Manuel d'utilisation, Pile sèche, Sac de transport zippé</td></tr>
<tr><td>Battery Life
Vie de la batterie</td><td colspan="3">High-performance dry battery can be used for about 300 times at normal temperature
La batterie sèche haute performance peut être utilisée environ 300 fois à température normale</td></tr>
<tr><td>Service Life
Durée de vie</td><td colspan="3">5 years
5 années</td></tr>
<tr><td>Date of Production
Date de production</td><td colspan="3">See label
Voir l'étiquette</td></tr>
<tr><td rowspan="2">Operating Environment
en fonctionnement
environnement</td><td>Temperature Condition
Conditions de température</td><td>5 ℃
-40 ℃</td><td rowspan="2">If the device is stored and used in the environment out of the designated</td></tr>
<tr><td>Humidity Condition</td><td>15%-85 %RH</td></tr>
</table>

	Conditions d'humidité		temperature & humidity ranges, it cannot operate normally. Si l'appareil est stocké et utilisé dans un environnement hors des plages de température et d'humidité désignées, il ne peut pas fonctionner normalement.
	Atmospheric Condition Conditions atmosphériques	70kPa-106kPa	
Transportation and Storage Environment Environnement de transport et de stockage	Avoid strong impact, direct impact, exposure or rain during transportation. The packaged Blood Pressure Monitor shall be stored indoors at the temperature of -20℃~55℃ and the relative humidity of 10%~93%, atmospheric Condition: 70kPa-106kPa, without corrosive gas and with		

	good ventilation. Évitez les chocs violents, les chocs directs, l'exposition ou la pluie pendant le transport. Le tensiomètre emballé doit être stocké à l'intérieur à une température de -20℃~55℃ et une humidité relative de 10%~93%, des conditions atmosphériques：70kPa-106kPa, sans gaz corrosif et avec une bonne ventilation.

After-sale Service

The service life of this product is 1 years and we offer free maintenance service of I year.
Notes: For any failure caused by the user personal reasons or any damage resulted from the unauthorized disassembly, the free maintenance service is not provided.

www.faceil.net

E-mail: support@faceil.net
Website: www.faceil.net

Authorized European Representative:

EC REP

MedPath GmbH
Mies-van-der-Rohe-Strasse 8, 80807 Munich, Germany

FACEIL

Private Label Manufacturer:

LIKELINKS TRADING LIMITED
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E-mail: support@faceil.net
Website: www.faceil.net

Contracted Manufacturer:

Shenzhen Jumper Medical Equipment Co., Ltd.
Address: D Bullding, No. 71, Xintian Road, Fuyong Street, Baoan District,
Shenzhen, Guangdong, China 518103