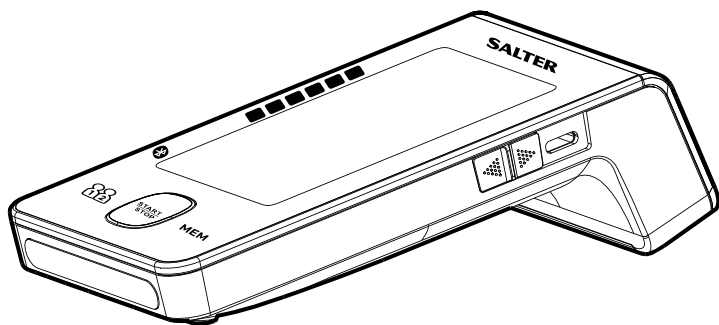


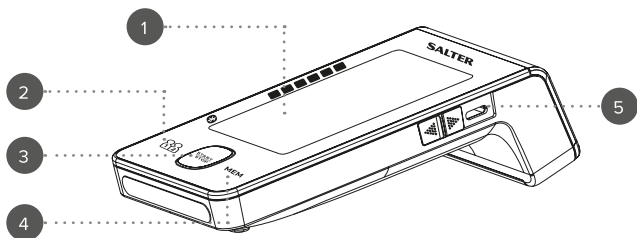
User manual

Blood pressure monitor

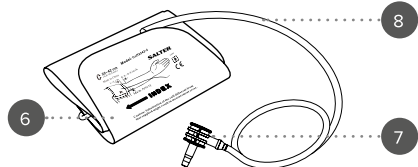


SALTER®
SINCE 1760

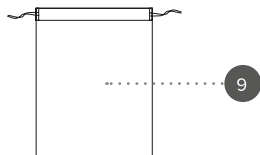
Blood pressure monitor device



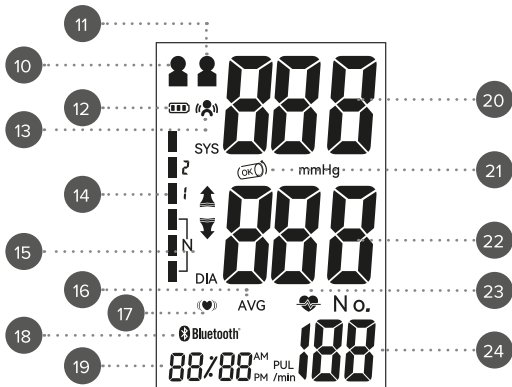
Arm cuff




Storage Bag



Display



Description of parts

1. LCD
2.  button
3. START/STOP button
4. MEM button
5. USB adapter jack
6. Arm cuff
7. Air plug
8. Air tube
9. Storage bag
10. Group 1
11. Group 2
12. Battery indicator
13. Arm shake indicator
14. WHO blood pressure classification indicator
15. Blood pressure indicator
16. Last 3 tests average
17. Irregular heartbeat indicator
18. Bluetooth indicator
19. Time/date
20. Systolic blood pressure
21. Cuff loose indicator
22. Diastolic blood pressure
23. Heart rate indicator
24. Pulse rate

Please retain instructions for future reference.

The blood pressure monitor has been constructed using reliable circuitry and durable materials. Used properly, this blood pressure monitor will provide years of satisfactory use.














This blood pressure monitor is intended for non-invasive measuring of adults and adolescents over 12 years of age, individual's systolic, diastolic blood pressure and heart rate using the oscillometric method. The blood pressure monitor is not intended for use on infants and children. The blood pressure monitor is designed for home or clinical use.

All functions can be used safely and values can be read on the LCD display. Measurement position is on the upper arm only.

For specific information about your blood pressure, please **consult your doctor**.

To avoid risk and damage, follow all warning precautions. Operate the blood pressure monitor only as intended.

Please read all the instructions thoroughly before using the device.

WARNING SIGNS AND SYMBOLS USED IN THIS MANUAL	
	Caution
	Mandatory
	Prohibited
	Type BF equipment
	Instructions for use MUST be consulted
	Serial Number
	Discard the used product to the recycling collection point according to local regulations
	The product conforms to the requirements of the EC Directive MDD (93/42/EEC) on medical devices
	Manufacturer
	Authorised representative in the European community
	Keep dry
	Keep out of sunlight
	Manufacturing date



CAUTION: Individuals with serious circulation problems may experience discomfort. Consult your physician prior to use.



Contact your physician if test results regularly indicate abnormal readings. Do not attempt to self-treat these symptoms without consulting your physician first.

This product is designed for its intended use only. Do not misuse in any way. Product is not intended for infants or individuals who cannot express their intentions. Do not disassemble or attempt to repair the product.



Do not use cell phones and other devices, which generate strong electrical or electromagnetic fields, near the blood pressure monitor, as they may cause incorrect readings or become an interference source to the blood pressure monitor. Only use a recommended double-insulated AC adaptor complying with EN 60601-1 and EN 60601-1-2. An unauthorised adaptor may cause fire and electric shock.



BATTERY PRECAUTIONS Do not mix new and old batteries simultaneously. Replace batteries when the low battery indicator '⏻' appears on the LCD display. Make sure the battery polarity is correct. Do not mix battery types. Long-life alkaline batteries are recommended. Remove batteries from device when not in operation for more than three months. Dispose batteries properly; observe local laws and regulations.

IMPORTANT INSTRUCTIONS BEFORE FIRST USE

- Do not confuse self-monitoring with self-diagnosis. Blood pressure measurements should only be interpreted by a health professional who is familiar with your medical history.
- Contact your physician if test results regularly indicate abnormal readings.
- If you are taking medication, consult your physician to determine the most appropriate time to measure your blood pressure. **NEVER** change a prescribed medication without first

consulting with your physician.

- Individuals with serious circulation problems may experience discomfort. Consult your physician prior to use.
- For persons with irregular or unstable circulation resulting from diabetes, liver disease, arteriosclerosis or other medical conditions, there may be variations in blood pressure values measured at the wrist with a wrist blood pressure monitor versus blood pressure values taken in the upper arm area with an arm blood pressure monitor. Monitoring the trends in your blood pressure taken at either the arm or the wrist is nevertheless useful and important.
- People suffering from vascular constriction, liver disorders or diabetes, people with cardiac pacemakers or a weak pulse, and women who are pregnant should consult their physician before measuring their blood pressure themselves. Different values may be obtained due to their condition.
- People suffering from arrhythmias, such as atrial or ventricular premature beats or atrial fibrillation, should only use this blood pressure monitor in consultation with your doctor. In certain cases, oscillometric measurement method can produce incorrect readings.
- Too frequent measurements can cause injury to the patient due to blood flow interference.
- The cuff should not be applied over a wound, as this can cause further injury.
- **DO NOT** attach the cuff to a limb being used for IV infusions or any other intravascular access, therapy or an arterio-venous (A-V) shunt. The cuff inflation can temporarily block blood flow, potentially causing harm to the patient.
- The cuff should not be placed on the arm on the side of a mastectomy. In the case of a double mastectomy, use the side of the least dominant arm.
- Pressurisation of the cuff can temporarily cause loss of function of simultaneously used monitoring equipment on the same limb.
- A compressed or kinked air tube may cause continuous cuff pressure resulting in blood flow interference and potentially cause harmful injury to the patient.
- Check that operation of the blood pressure monitor does not result in prolonged impairment of the circulation of the patient.
- Prolonged over-inflation of the arm cuff may cause ecchymoma of your arm.
- Do not disassemble the blood pressure monitor or arm cuff. Do not attempt to repair.
- Use only the approved arm cuff for this blood pressure monitor. Use of other arm cuffs may

result in incorrect measurement results.

- The system might produce incorrect readings if stored or used outside the manufacturer's specified temperature and humidity ranges.
- Do not use the blood pressure monitor whilst transporting a patient outside of a healthcare facility, as it may cause interference or incorrect readings.



Advising users that the instruction manual must be consulted.

Essential performance

Electrosurgery interference recovery	Refer 202.6.2.101 IEC 80601-2-30
Limits of the error of the manometer	Refer 202.12.1.102 IEC 80601-2-30
Reproducibility of the BLOOD PRESSURE DETERMINATION	Refer 201.12.1.107 IEC 80601-2-30

IMPORTANT TESTING GUIDELINES

- Avoid eating, exercising, and bathing for 30 minutes prior to testing.
- Sit in a calm environment for at least five minutes prior to testing.
- Do not stand while testing. Sit in a relaxed position while keeping your arm level with your heart.
- Avoid speaking or moving body parts while testing.
- While testing, avoid strong electromagnetic interference such as microwave ovens and cell phones.
- Wait for approx. three minutes or longer before re-testing.
- Try to measure your blood pressure at the same time each day for consistency.
- Test comparisons should only be made when the monitor is used on the same arm, in the same position and at the same time of day.
- This blood pressure monitor is not recommended for people with severe arrhythmia.
- Do not use this blood pressure monitor if it is damaged.

Quick set up

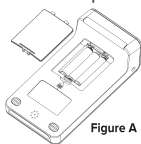


Figure A



Figure B

STEP 1: Install batteries. See Figure A.

STEP 2: Insert the cuff air plug into the left-hand side of the blood pressure monitor device. See Figure B.

STEP 3: Remove thick clothing from the arm area.

STEP 4: Rest for several minutes prior to testing. Sit down in a quiet place, preferably at a desk or table, with your arm resting on a firm surface and your feet flat on the floor. See Figure C.



STEP 5: Apply the cuff to your left arm and keep level with your heart. The bottom of the cuff should be placed approx. 1–2 cm (0.4–0.8") above the elbow joint. See Figures D and E.

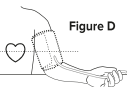


Figure D

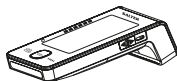
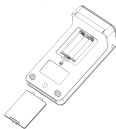


Figure E

STEP 6: Press 'START/STOP' to start testing.

Battery installation

Open the battery cover. Install three new AAA alkaline batteries according to polarity. Close the battery cover.




The USB Type-C port is on the right-hand side of the blood pressure monitor. Medical USB-Type C adaptor (DC 5.0 V, 1000 mA) can be used with the blood pressure monitor device (not provided). Do not use any other type of adaptor, as it may harm the blood pressure monitor.



NOTE: Power supply is specified in the tables in the section entitled 'Electromagnetic compatibility information'.

System settings

With the power off, press  to activate the system settings. The icon will flash.

Select memory group

While in the system setting mode, you may accumulate test results into two different groups. This allows two different users to save individual test results.

Press **'MEM'** to choose a group setting. Test results will automatically store in each selected group.

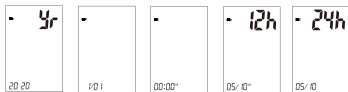


Time/date setting

Press **'000'** again to set the time/date mode. Set the year first by adjusting **'MEM'**. Press **'000'** again to confirm the current month.

Continue setting the date, hour and minute in the same way. Every time **'000'** is pressed, it will lock in your selection and continue in succession (month, day, hour, minute, 12/24 hours).

Time format setting



Press **'000'** again to set the time format setting mode. Set the time format by adjusting **'MEM'**. EU means European date format; US means the United States date format.



Saved settings

While in any setting mode, press **'START/STOP'** to turn the blood pressure monitor off. All information will be saved.



NOTE: If the blood pressure monitor is left on and not in use for approx. three minutes, it will automatically save all information and shut off.

Applying the arm cuff

STEP 1: Firmly insert the air plug into the opening located on the left-hand side of the blood pressure monitor.



STEP 2: With the sticky nylon section facing outward, insert the end of the cuff underneath the metal ring of the cuff.

STEP 3: Fasten the cuff about 1–2 cm (0.4–0.8") above the elbow joint. For best results, apply the cuff to your bare arm and keep level with the heart while testing. See figures D and E in the section entitled 'Quick set up'.



NOTE: Do not insert the air plug into the opening located on the right-hand side of the blood pressure monitor. This opening is designed for an optional power supply only.

Testing

To power on

Press and hold **'START/STOP'** to turn the blood pressure monitor on. The LCD screen will illuminate for approx. one second as the blood pressure monitor performs a quick diagnosis. A long tone will indicate when the blood pressure monitor is ready for testing.



NOTE: The blood pressure monitor will not function if residual air from previous testing is present in the cuff. The LCD will flash **'↓'** until pressure is stabilised.

Testing

After cuff inflation, air will slowly rise as indicated by the corresponding cuff pressure value. A flashing **'♥'** will appear simultaneously on the screen signalling a heartbeat detection.



NOTE: Keep relaxed during testing. Avoid speaking or moving body parts.

Result display



The screen will display measurements for systolic and diastolic blood pressure. An indicator representing the current measurement will appear next to the corresponding WHO classification.



NOTE: Refer to the instructions in the section entitled 'WHO blood pressure classification indicator'.

Irregular heartbeat indicator

If the blood pressure monitor detects an irregular heart rhythm two or more times during the measuring process, the irregular heartbeat symbol '(♥)' will appear onscreen along with measurement results. Irregular heartbeat rhythm is defined as rhythm that is either 25 % slower or faster than the average rhythm detected, while measuring systolic blood pressure and diastolic blood pressure. Consult your physician if the irregular heartbeat symbol '(♥)' frequently appears with your test results.

Power off

The blood pressure monitor can be switched off in any mode by pressing '**START/STOP**'. The blood pressure monitor will auto turn off the power itself after approx. three minutes of no operation in any mode.



WARNING: If pressure in the arm cuff becomes too extreme while testing, press '**START/STOP**' to turn the power off. The cuff pressure will rapidly dissipate once the blood pressure monitor is off.

Arm shake indicator

If there is arm movement during the measurement, the '⚡' icon may flash. This indicates that the measurement results may be inaccurate and the situation will be recorded at the end of the measurement as a reminder.

Cuff loose indicator

When starting the measurement, 'OK' will be displayed when the cuff is properly wound. When the cuff is too loose, 'LO' will be displayed. If this happens, readjust the cuff and start measuring again.

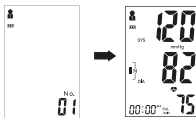
Last three tests average

With the power off, press '**MEM**' to activate the screen display. After the blood pressure monitor performs a self-diagnosis, the LCD display will show the average of the last three measurements of the current memory group. The 'AVG' symbol will appear along with the corresponding 'WHO blood pressure classification indicator'. The memory check mode can be accessed by pressing '**MEM**'. If you want to view the average of another memory group, set the memory group you want to view before entering the average view state by following the instructions in the section entitled 'Select memory group'.



Memory check

You may check past test results by pressing '**MEM**'. The most recent test result and oldest test result in memory can be viewed by pressing and holding '**MEM**'. Upon activating test results, you can press '**MEM**' to scroll through all test results stored in memory.



Memory deletion

Memory for a selected group may be deleted while in memory check mode. Press and hold 'DEL' for approx. three seconds to delete all memory records from the selected group. Press '**START/STOP**' to turn off the blood pressure monitor.



NOTE: Results data cannot be recovered once it has been deleted.

Low battery indicator

Four short warning beeps sound when battery life is depleting and unable to inflate cuff for testing. The '⚡' appears simultaneously for approx. five seconds prior to shutting off. Replace batteries at this time. No memory loss will occur throughout this process.

Static pressure measurement

In the power down state, press and hold '**START/STOP**', then install the batteries. Once the LCD

screen is full, release '**START/STOP**'. When the LCD screen displays '00', the blood pressure meter is in static state. The software version is displayed below, number 10 refers to the software version.



NOTE: Only service personnel are permitted to access this mode.

Bluetooth requirements

The blood pressure monitor requires a device with:

- Bluetooth 4.0 or later
- Android 5.0 or later
- IOS 9.0 or later

And works with:

- iPhone, iPod, iPad
- Android phones and tablets

Bluetooth connection

To pair the blood pressure monitor to the Salter Health app:

STEP 1: Download the free Salter Health app from the App Store or Google Play.

STEP 2: Create an account in the app. Once set up, go to the settings tab and select '**Add device**'.

STEP 3: Select the product code 'DBP-6277B' from the menu.

STEP 4: Select a user number – 1 or 2 by following the instructions in the section entitled 'Select memory group'.

STEP 5: Select '**MEM**', then the Salter Health app will attempt to detect and pair with the blood pressure monitor. The app will show a completed or failed status.

STEP 6: Before taking a reading, turn the blood pressure monitor device off by pressing '**START/STOP**', then turn it back on with '**ON**'.


STEP 7: Choose the user number by selecting '**MEM**'. Once selected, turn it off and on again by pressing '**START/STOP**'. Readings can now be taken.

Troubleshooting

Abnormal phenomenon	Cause	Solution
Abnormal sphygmomanometer	The armband is tied too tight or too loose, or the arm strap is tied incorrectly.	Roll the armband correctly.
	The arm or blood pressure monitor has been moved during measurement.	Keep your arm steady, and do not move the blood pressure monitor.
	Speaking, nervous or emotional during measurement.	Stay quiet and take deep breaths to calm your mood and relax your body.
	Incorrect measurement posture.	Adjust posture, by following 'Figure C' in the section entitled 'Quick set up'.
	There is interference in the charging process or improper operation in the measuring process.	See interference guidance in the section entitled ' CAUTION '.

The following table shows the error signs that may occur during measurement, possible causes and handling methods. If the below errors occur, measure again using the correct method.

Error display	Cause	Solution
Er1	The blood pressure monitor cannot detect high and low pressure.	Fasten the cuff correctly before measuring.
Er2	The cuff is too loose.	Fasten the cuff correctly before measuring.
Er3	Improper compression caused by arm or body movement.	Keep the arm, body and blood pressure monitor still and measure again.
Er4	The pressure exceeds 300 mmHg.	Fasten the cuff correctly before measuring.

Error display	Cause	Solution
Er5	The pressure exceeds 15 mmHg for approx. three minutes.	Check whether the cuff is knotted or the vent valve is blocked. If the problem persists, contact the manufacturer.
Er6	Blood pressure measurements are out of range.	Readjust the cuff and measure again. If you cannot solve the problem, contact the manufacturer.
	Exhausted battery.	Replace the battery or connect the power adaptor.

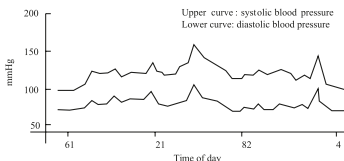


NOTE: If you cannot solve the abnormal situation by yourself, you can consult the manufacturer or the manufacturer's designated unit by phone. It is forbidden to disassemble and repair without permission. If necessary, professional maintenance personnel can ask the manufacturer for the list of components and circuit schematic diagram.

Blood pressure

Blood pressure is the force of blood pushing against the walls of arteries. It is typically measured in millimetres of mercury (mmHg). Systolic blood pressure is the maximum force exerted against blood vessel walls each time the heart beats. Diastolic blood pressure is the force exerted on blood vessels when the heart is resting between beats. An individual's blood pressure frequently changes throughout the course of the day. Excitement and tension can cause blood pressure to rise, while drinking alcohol and bathing can lower blood pressure. Certain hormones like adrenaline (which your body releases under stress) can cause blood vessels to constrict, leading to a rise in blood pressure.

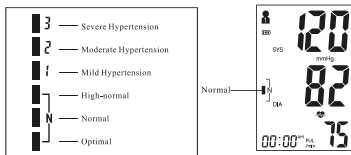
If these measuring numbers become too high, it means the heart is working harder than it should.



Example: fluctuation within a day (male, 35 years old)

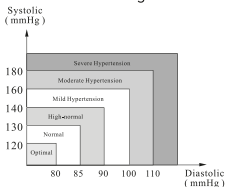
WHO blood pressure classification indicator

The blood pressure monitor is equipped with a classification indicator based on established guidelines from the World Health Organization. The chart below (colour coded on the blood pressure monitor) indicates test results.



Health reminder

Hypertension is a dangerous disease that can affect the quality of life. It can lead to a lot of problems including heart failure, kidney failure and cerebral haemorrhaging. By maintaining a healthy lifestyle and visiting your physician on a regular basis, hypertension and related diseases are much easier to control when diagnosed in their early stages.



NOTE: Do not be alarmed if an abnormal reading occurs. A better indication of an individual's blood pressure occurs after 2-3 readings are taken at the same time each day over an extended period of time. Consult your physician if test results remain abnormal.

Blood pressure Q&A

Q: What is the difference between measuring blood pressure at home or at a professional healthcare clinic?

A: Blood pressure readings taken at home are now seen to give a more accurate account, as they better reflect your daily life. Readings can be elevated when taken in a clinical or medical environment. This is known as 'White Coat Hypertension' and may be caused by feeling anxious or nervous.



NOTE: Abnormal test results may be caused by the below instances.

1. Improper cuff placement

Make sure the cuff is snug and not too tight or too loose.

Make sure bottom of the cuff is approximately 1–2 cm (½") above the elbow joint.

2. Improper body position

Make sure to keep your body in an upright position.

3. Feeling anxious or nervous

Take 2–3 deep breaths, wait a few minutes and resume testing.

Q: What causes different readings?

A: Blood pressure varies throughout the course of the day. Many factors (including diet, stress, cuff placement etc.) may affect an individual's blood pressure.

Q: Should I apply the cuff to the left or right arm? What is the difference?

A: Either arm can be used when testing. However, when comparing results, the same arm should be used. Testing on your left arm may provide more accurate results as it is located closer to your heart.

Q: What is the best time of day for testing?

A: Morning time or any time you feel relaxed and stress-free.

Care and maintenance

- Avoid dropping, slamming or throwing the blood pressure monitor.
- Avoid extreme temperatures. Do not expose the blood pressure monitor to direct sunlight.
- When cleaning the blood pressure monitor, use a soft fabric and lightly wipe with a mild detergent. Use a damp cloth to remove dirt and excess detergent.
- Do not soak the cuff in water. Apply a small amount of rubbing alcohol to a soft cloth to clean the cuff's surface. Use a damp cloth (water-based) to wipe clean. Allow the cuff to dry naturally at room temperature. The cuff must be cleaned and disinfected before use between different users.
- Do not use petrol, thinners or similar solvents.
- Do not disassemble the blood pressure monitor.
- It is recommended that the performance should be checked every two years.
- Expected service life: Approx. three years at 10 tests per day.
- No service and maintenance should take place

while the blood pressure monitor is in use, and maintenance should only be performed by service personnel. Service and maintenance require parts, repair and technical support will be provided.

Electromagnetic compatibility information

The blood pressure monitor device satisfies the EMC requirements of the international standard IEC 60601-1-2. The requirements are satisfied under the conditions described in the table below. The blood pressure monitor device is an electrical medical product and is subject to special precautionary measures with regard to EMC which must be published in the instructions for use. Portable and mobile HF communications equipment can affect the device. Use of the blood pressure monitor in conjunction with non-approved accessories can affect the blood pressure monitor device negatively and alter the electromagnetic compatibility. The blood pressure monitor device should not be used directly adjacent to or between other electrical equipment.

Table 1

Guidance and declaration of manufacturer-electromagnetic emissions.		
The blood pressure monitor device is intended for use in the electromagnetic environment specified below. The operator of the blood pressure monitor device should ensure that it is used in such an environment.		
Emissions test	Compliance	Electro-magnetic environment guidance
Radiated emission CISPR 11	Group 1, class B	The blood pressure monitor device uses RF energy only for its internal function. Therefore, its emissions are very low and are not likely to cause any interference in nearby electronic equipment.
Conducted emission CISPR 11	Group 1, class B	The blood pressure monitor device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	

Table 2


Guidance and declaration of manufacturer-electromagnetic immunity			
The blood pressure monitor device is intended for use in the electromagnetic environment specified below. The operator of the blood pressure monitor device should ensure that it is used in such an environment.			
IMMUNITY test	IEC 60601 test level	Compliance level	Electromagnetic environment guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air		Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrostatic transient/burst IEC 61000-4-4	± 2 kV, 100 kHz, for AC power port		Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±0.5 kV, ±1 kV (differential mode)		
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % UT; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at 0° 0 % UT; 250/300 cycle		
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m; 50 Hz or 60 Hz		Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
Radiated RF EM Fields IEC 61000-4-3	3 V/m or 10 V/m 80 MHz–2.7 GHz 80 % AM at 1 kHz		Portable and mobile RF communications equipment should be used no closer to any part of the blood pressure monitor device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance 80 MHz to 800 MHz 800 MHz to 2.7 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, and should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: 
Conducted disturbances Induced by RF fields IEC 61000-4-6	3 V in 0.15 MHz–80 MHz 6 V in ISM and/or amateur radio bands between 0.15 MHz and 80 MHz 80 % AM at 1 kHz		

Table 3

Guidance and declaration of manufacturer-electromagnetic immunity						
<p>Nowadays, RF wireless equipment is used in various healthcare locations where medical equipment and/or systems are used. When they are used in close proximity to medical equipment and/or systems, the medical equipment and/or systems' basic safety and essential performance may be affected. Arm-type Fully Automatic Digital Blood Pressure Monitor has been tested with the immunity test level in the below table and meet the related requirements of IEC 60601-1-2:2014. The customer and/or user should help keep a minimum distance between RF wireless communications equipment and this medical equipment and/or systems as recommended below.</p>						
Test frequency (MHz)	Band (MHz)	Service	Modulation	Maximum power (W)	Distance (m)	Immunity test level (V/m)
385	380–390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27
450	430–470	GMRS 460 FRS 460	FM ± 5 kHz deviation 1 kHz sine	2	0.3	28
710	704–787	LTE Band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9
745						
780						
810	800–960	GSM 800/900, TETRA 800, IDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28
870						
930						
1720	1700–1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	2	0.3	28
1845						
1970						
2450	2400–2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28
5240	5100–5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9
5500						
5785						

Table 4

Recommended separation distances between portable and mobile RF communications equipment and the device		
This blood pressure monitor device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The operator of the blood pressure monitor device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the device as recommended below, according to the maximum output power of the communications equipment.		
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter	
	80 MHz to 800 MHz $d = \left[\frac{3.5}{E_1} \right] \sqrt{P}$	800 MHz to 2.7 GHz $d = \left[\frac{7}{E_1} \right] \sqrt{P}$
0.01	0.12	0.23
0.1	0.38	0.73
1	1.2	2.3
10	3.8	7.3
100	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.		



NOTE: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Additional notes

The software identifier refers to the software evaluation report, and the file code is JYRJ201230001.



CAUTION: The use of this blood pressure monitor device adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

WARNING: Portable RF communications equipment (including peripherals such as, antenna cables and external antennas) should be used no closer than 30 cm (12") to any part of the automatic arm blood pressure monitor, including cables specified by the **manufacturer**. Otherwise, degradation

of the performance of this equipment could occur.

Verify the manometer pressure accuracy

In the power down state, press and hold '**START/STOP**' and install the batteries. Once the LCD screen is full, release '**START/STOP**'. When the LCD screen displays '**00**', the blood pressure meter is in static state. At this point, the 500 ml gas capacity, calibrated standard pressure gauge and manual pressure device can be connected to the sphygmomanometer through the sleeve interface of the sphygmomanometer. The manual pressure can be applied to the effective display range of the sphygmomanometer, and then the difference between the reading of the sphygmomanometer and that of the standard pressure gauge can be compared. This mode can be used to verify manometer pressure accuracy.

Intended use

The automatic arm blood pressure monitor is suitable for clinical and home use. It uses a non-invasive blood pressure measurement system designed to measure the systolic and diastolic blood pressure and pulse rate of adolescents and adults individual. This is a well-known technique in the market called the oscillometric method. The **patient** is an intended **operator**. The **patient** must not carry out other maintenance operations except to replace the battery.



WARNING: Do not modify this equipment without authorisation of the **manufacturer**.

ESSENTIAL PERFORMANCE

MAINTENANCE ADVICE

- Pressure calibration will be carried out when this product leaves the factory. Patients can carry out this method described by following the instructions in the section entitled 'Verify manometer pressure accuracy' to verify the accuracy. If the accuracy deviation is large, please contact the manufacturer for recalibration.
- Mechanical strength and resistance to heat: The resistance to heat will be retained by device during the **expected service life** of the **medical equipment**.
- The cuff and the case of the blood pressure monitor have been tested for biocompatibility and does not contain allergenic or harmful materials. Stop using the product if allergy occurs during use.



CAUTION: Non-professionals must not modify the blood pressure monitor, otherwise this will cause inaccurate measurements. Do not expose the blood pressure monitor to strong shocks or vibrations, as it will reduce the performance.

WARNING: DO NOT WRAP THE AIR TUBE AROUND THE NECK, AS THIS CAN CAUSE ASPHYXIATION. THIS PRODUCT IS NOT SUITABLE FOR CHILDREN AND PETS. **KEEP OUT OF REACH FROM CHILDREN.**
CHOKING HAZARD – SMALL PARTS.

Cleaning the blood pressure monitor

The blood pressure monitor can be cleaned by **intended operators** according to the cleaning procedures in the section entitled '**Care and maintenance**'.



NOTE: If an unexpected reading occurs, **intended operators** can take several more measurements and consult a doctor.



CAUTION: If the blood pressure monitor is used outside of the specified environment, this may damage the blood pressure monitor and may cause inaccurate measurements.



WARNING: Do not take blood pressure measurements if the cuff is damaged. When measuring with the cuff, if the tester feels seriously uncomfortable, press '**START/STOP**' on the blood pressure monitor device to deflate the cuff or remove the cuff directly from the arm. **Medical equipment is not intended for use in conjunction with flammable agents.** **Medical equipment is not intended for use in oxygen rich environment.**

Specifications

Product description	Automatic arm blood pressure monitor	
Product code	DBP-6277B	
Model no.	DBP-6277B-BRMFOB	
Display	LCD Digital Display Size: 83.1 mm × 53.1 mm (3.27" x 2.09")	
Measurement method	Oscillometric Method	
Measurement range	Systolic Pressure	60~260 mmHg
	Diastolic Pressure	40~200 mmHg
	Pressure	0~299 mmHg
	Pressure	±3 mmHg
	Pulse	30~180 beats/minute
	Pulse	±5 %
Pressurisation	Automatic pressurisation	
Memory	2 x 150 memories in two groups with date and time	
Function	Irregular heartbeat detection	
	WHO classification indicator	
	Last 3 tests average	
	Low battery detection	

Function	Automatic power-off	
	Backlight	
	Bluetooth	
Power source	3 x AAA batteries or medical USB Type-C adaptor (DC 5.0 V, 1000 mA)	
Battery life	Approx. 2 months at 3 tests per day	
Device weight	Approx. 212 g (7.48 oz.) (excluding battery)	
Device dimensions	Approx. 149.8 x 80.4 x 45.7 mm (5.90" x 3.17" x 1.80") (L x W x H)	
Cuff dimensions	Approx. 135 (W) x 485 (L) mm	
Operating environment	Temperature	10~40 °C (50~104 °F)
	Humidity	15~93 % RH
	Pressure	800~1060 hPa
Storage environment	Temperature	-25~55 °C (-13~131 °F)
	Humidity	≤93 % RH
Transport environment	Temperature	-25~55 °C (-13 ~131 °F)
	Humidity	≤93 % RH
Bluetooth	Modulation type	GFSK
	Version	5.0.1 BT Signal mode
	Operation frequency	2.4 GHz (2400~2483.5 MHz)
	Antenna gain	0.5 dBi
	Bandwidth	2.0 MHz

Classification	Internal Powered Equipment, Type BF , Cuff is the Applied Part
Ingress protection rating	IP21 – Indoor use only

Specifications are subject to change without notice.

This blood pressure monitor complies with the European regulations and bears the CE mark 'CE 0197'. This blood pressure monitor also complies with mainly following standards (included but not limited to):

Safety standard:

EN 60601-1 Medical Electrical equipment part 1: General requirements for safety

EMC standard:

EN 60601-1-2 Medical Electrical Equipment – Part 1-2: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Electromagnetic Disturbances – Requirements and Tests.

Performance standards:

IEC80601-2-30, Medical Electrical Equipment – Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers.

EN 1060-3 Non-invasive sphygmomanometers – Supplementary requirements for electromechanical blood pressure measuring systems.

ISO 81060-2, non-invasive sphygmomanometers – part 2: Clinical validation of automated measurement type.



The product is in compliance with the requirements of MDD 93/42/EEC, '0197' is the identification number of the notifying body.



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Consumer Warranty for Australia

The Australian Consumer Law provides certain guarantees to consumers when they purchase goods and these guarantees cannot be excluded, restricted or modified. These consumer guarantees are different to, and separate from, this warranty, which is given voluntarily by the Warrantor. The time limit of consumer guarantees varies depending on the price and quality of the goods and may extend beyond this warranty or any applicable warranty provided by the manufacturer of the goods.

2. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
3. This warranty applies in addition to other rights and remedies you may have under the Australian Consumer Law or any other law.
4. Subject to the terms and conditions of this warranty, where your goods are defective within 24 months of your purchase, the Warrantor agrees to repair the goods, provide you with a replacement or provide you with store credit or a refund for the full amount of the purchase price (if it is not possible to repair the goods, or a replacement is unavailable).
5. Except as required by law (including the Australian Consumer Law), our liability under this warranty shall not exceed the amount of the purchase price of the goods or the replacement of the goods with the same or a similar product.
6. Where your product purchase was made in a retail store, you should return the product to the place of purchase to obtain a repair, replacement, or refund.
7. Products purchased from us via a third-party marketplace platform, consumers should log in to their account and request a return using the marketplace platform's returns process. Upon receipt of your request, we will confirm the applicable next steps to obtain a repair, replacement or refund.

If this product does not reach you in an acceptable condition please contact our Customer Services Department by www.salterhome.com.au. Please have your delivery note to hand as details from it will be required.

If you wish to return this product please return it to the retailer from where it was purchased with your receipt (subject to their terms and conditions).

Disposal of Waste Batteries and Electrical and Electronic Equipment



This symbol on the product, its batteries or its packaging means that this product and any batteries it contains must not be disposed of with household waste. Instead, it is the user's responsibility to hand this over to an applicable collection point for the recycling of batteries and electrical and electronic equipment. This separate collection and recycling will help to conserve natural resources and prevent potential negative consequences for human health and the environment due to the possible presence of hazardous substances in batteries and electrical and electronic equipment, which could be caused by inappropriate disposal. Some retailers provide take-back services which allow the user to return exhausted equipment for appropriate disposal. **It is the user's responsibility to delete any data on electrical and electronic equipment prior to disposal.** For more information about where to drop batteries, electrical and electronic waste off, please contact the local city/municipality office, household waste disposal service, or the retailer.

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CD271023/MD000000/V1