

# Blood Pressure Monitor BP5000 BT



**en** Instructions for Use  
**es** Instrucciones de uso  
**fr** Mode d'emploi  
**de** Gebrauchsanleitung



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## 1. Introduction

The Blood Pressure Monitor BP5000 BT is a device that you will use to measure your blood pressure and report the results to your care provider. The blood pressure monitor BP5000 BT connects wirelessly to your Bosch telehealth appliance, such as the Health Buddy or the T400.

**This device is intended for use on adults aged 18-years and older.**

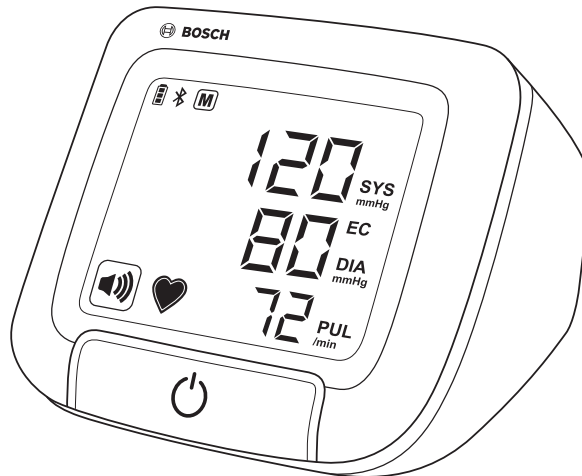
Read the entire instruction manual before you use your blood pressure monitor. If you have questions about your blood pressure monitor that are not answered by this manual, contact your care provider.

If you have suggestions or feedback on this manual, you can send an email to [doc.feedback@us.bosch.com](mailto:doc.feedback@us.bosch.com). Refer to document number F.03D.601.425 Rev. A in your email. A response will be provided only if you request one.

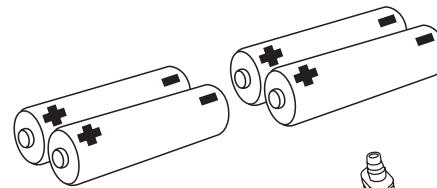
## 2. List of parts

Ensure that your Bosch blood pressure monitor package includes the following items:

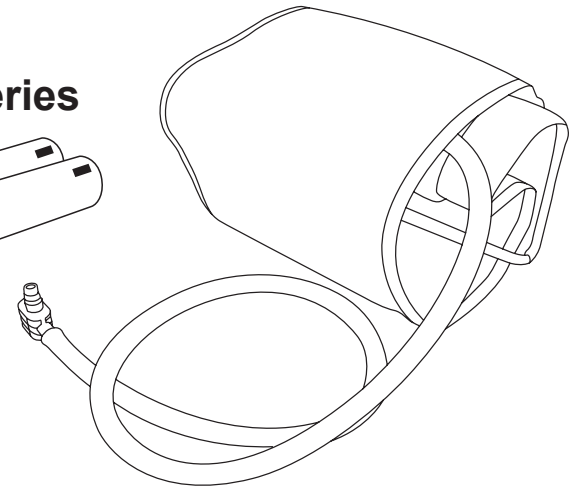
### Bosch BP5000 BT Blood Pressure Monitor



### Four AA Batteries



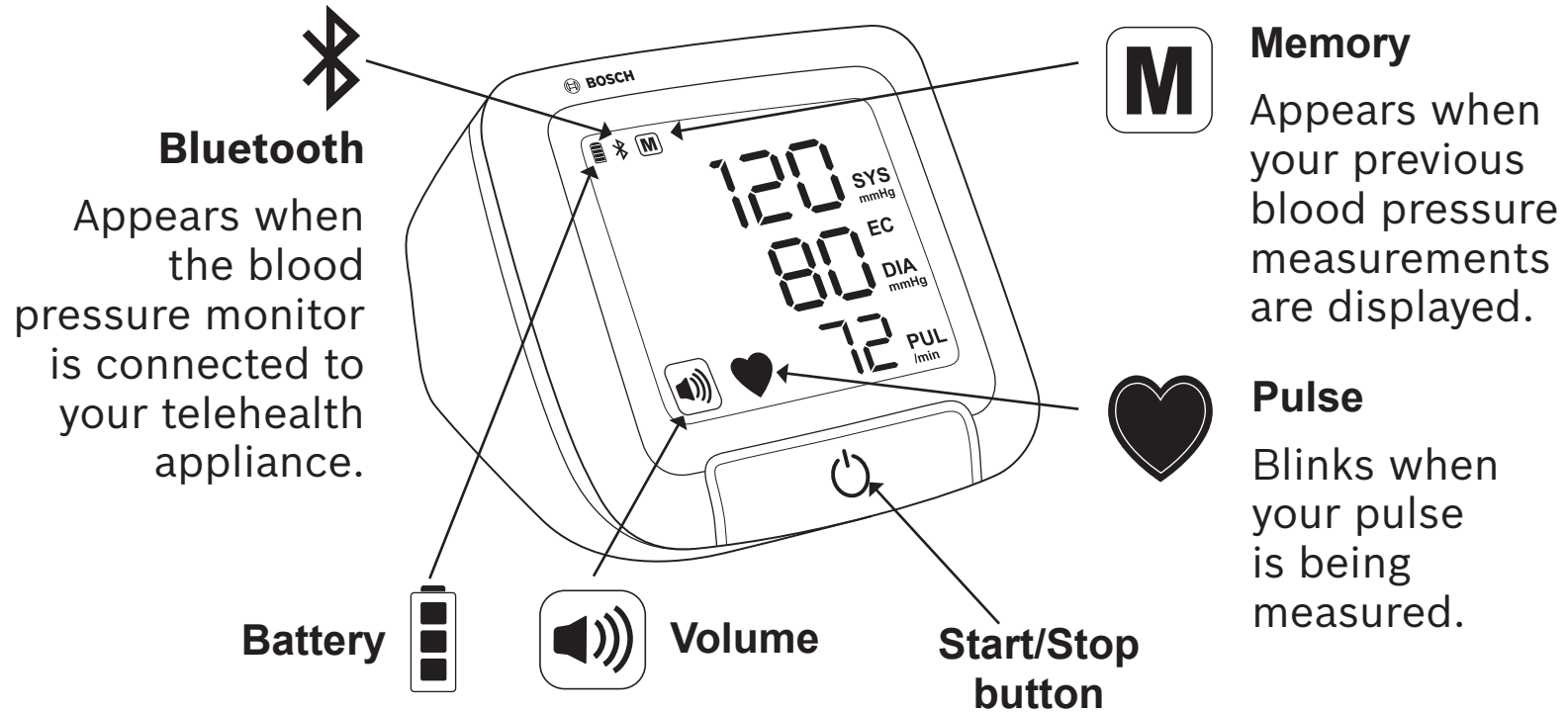
### Arm Cuff

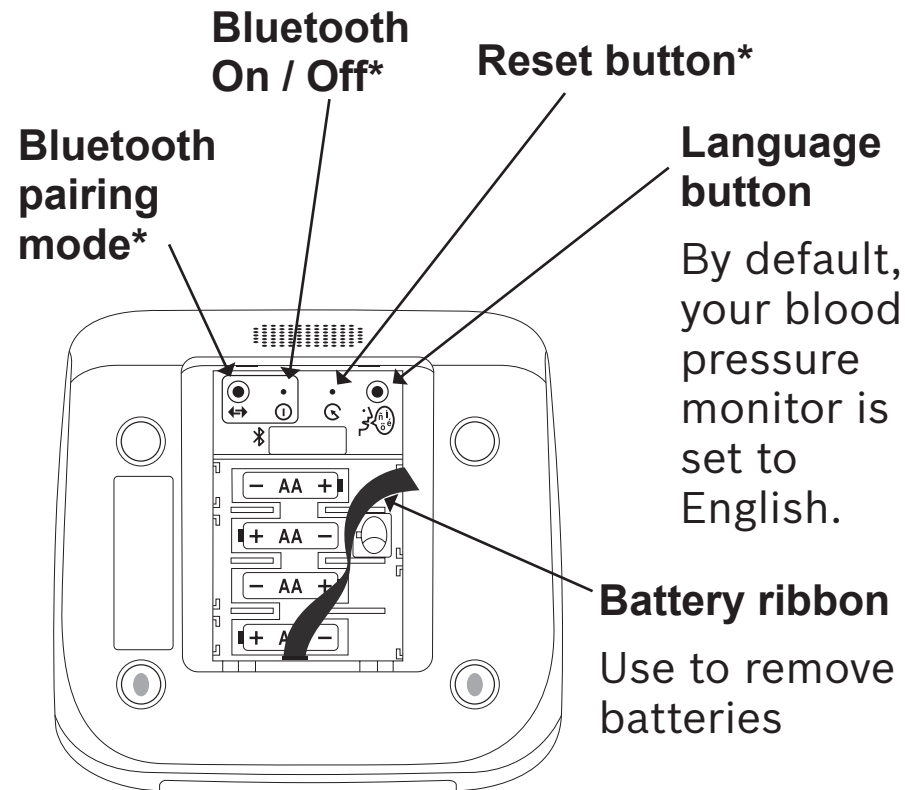
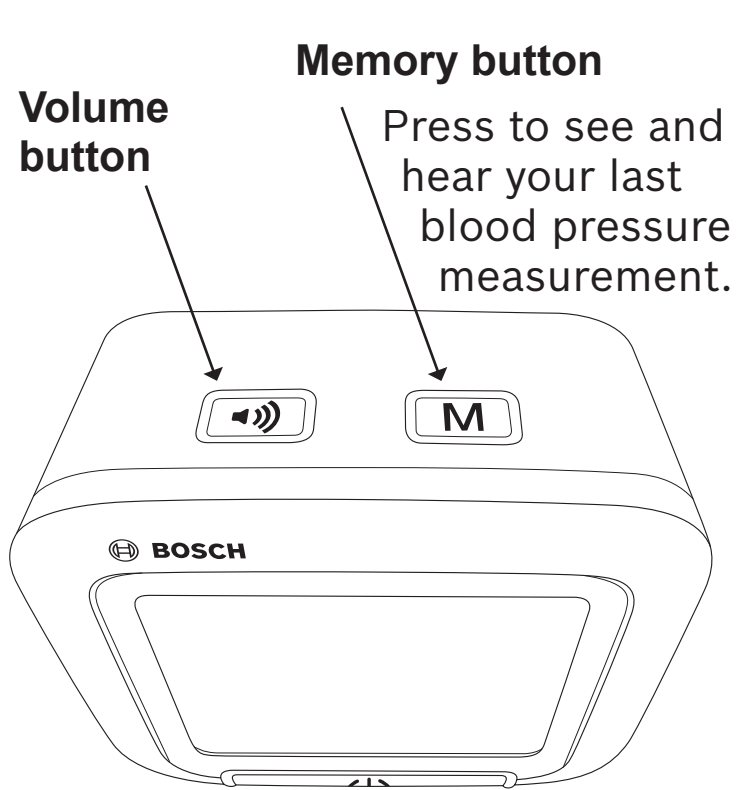


Keep the plastic packaging, the batteries, and the thin plastic film protecting the screen of the blood pressure monitor away from babies and children – they are a choking hazard.

### 3. Overview of symbols and functional features

Your BP5000 BT blood pressure monitor has a number of symbols and features.





\*Do not press the Bluetooth or Reset buttons unless you are asked to do so by your care provider.

For a complete explanation of the symbols and functional features of your blood pressure monitor, see Section 7.

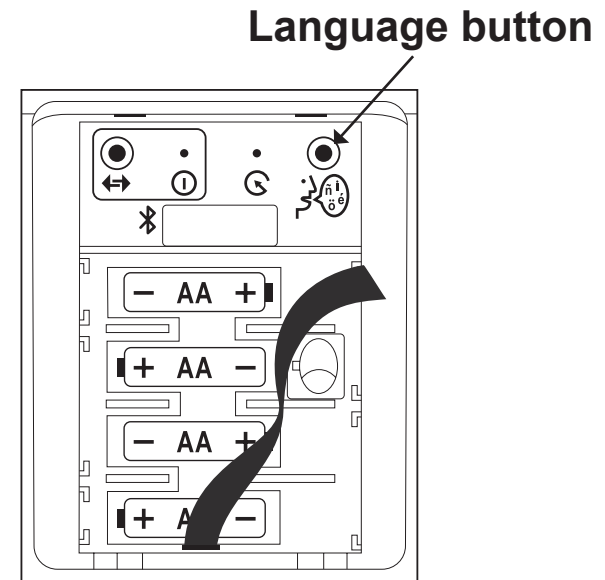
## 4. Setting up your blood pressure monitor

Before you use your blood pressure monitor, you need to install the batteries and connect the arm cuff to the blood pressure monitor. Next, you need to set up the wireless connection between your blood pressure monitor and your Bosch telehealth appliance.

### 4.1 Installing the batteries

To install the batteries:

1. Open the battery compartment cover on the bottom of the blood pressure monitor.
2. Insert the batteries (over the battery ribbon) as indicated by the diagram inside the battery compartment.
3. If your language is not English, select your language by pressing the language button.





#### 4. Replace the battery compartment cover.



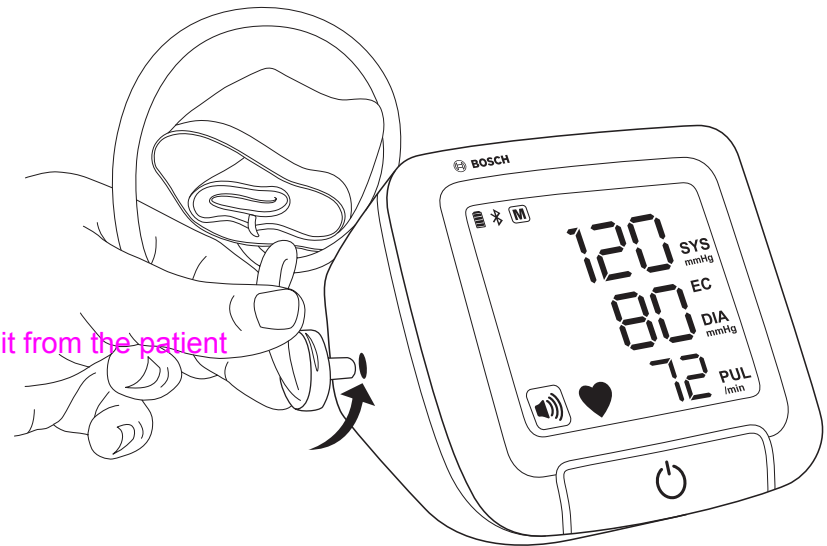
When you replace the batteries, ensure that you replace the complete set of batteries and that you do not use rechargeable batteries, or the battery fluid might leak.

#### 4.2 Connecting the arm cuff to your blood pressure monitor

To connect the arm cuff to your blood pressure monitor, plug the air hose into the air socket on the side of the blood pressure monitor.

not use in combination with magnetic resonance imaging (MRI) .

equipment. If MRI is to be performed, remove cuff connected to the unit from the patient

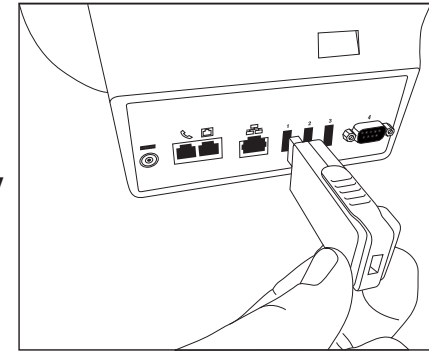


### 4.3 Setting up the wireless connection

To set up the wireless connection between your blood pressure monitor and your Bosch telehealth appliance:

1. Place your blood pressure monitor near your telehealth appliance to ensure a strong wireless connection.
2. If your care provider has provided you with a Bluetooth USB adapter, plug the Bluetooth USB adapter into any available USB port on the back of your telehealth appliance. If the Bluetooth USB adapter does not fit easily into the port, turn it over and try again.

If your care provider did not provide you with a Bluetooth USB adapter, your telehealth appliance does not require one.



Your blood pressure monitor is now ready to connect wirelessly to your telehealth appliance. The connection will be made automatically during your next telehealth session when your telehealth appliance prompts you to take your blood pressure measurement.

## 5. Measuring your blood pressure

You can wait until your telehealth appliance prompts you to measure your blood pressure, or you can measure your blood pressure at any other time as directed by your care provider. Regardless of when you measure your blood pressure, the basic procedure is the same.

### **Before you begin**

To ensure accurate blood pressure measurements, observe the following suggestions:

- Try to measure your blood pressure at the same time each day.
- Wait at least 30 minutes after exercising or bathing before you measure your blood pressure.
- If you roll your sleeve up, ensure that it does not constrict your blood flow.
- Sit in a comfortable position with your arm resting on a table at chest level and relax for at least 5 minutes.

- When the arm cuff inflates, it will become fairly tight around your arm. This is normal. Remain still until the measurement is complete.

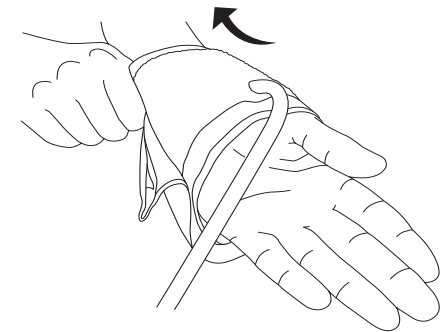
## Procedure



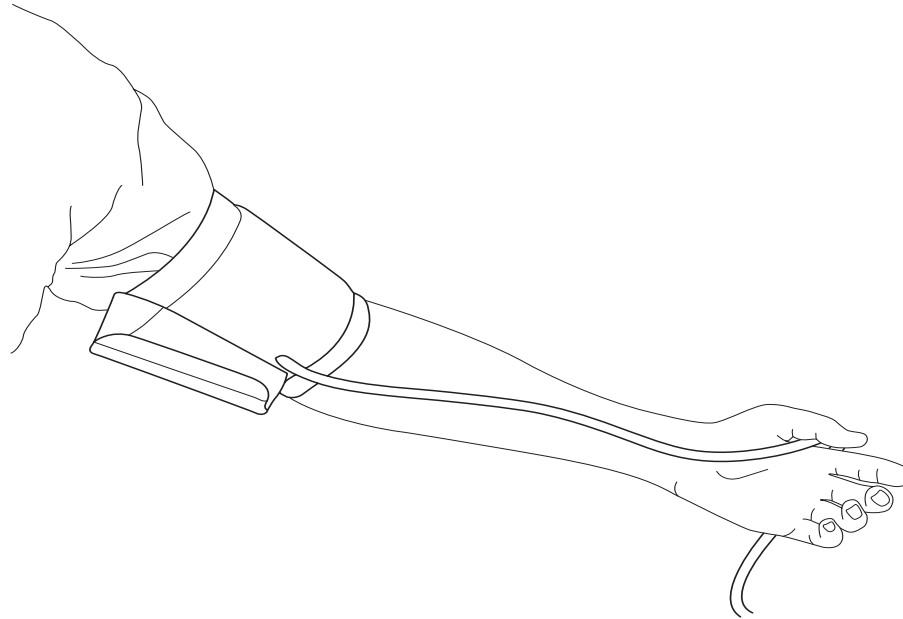
- The blood pressure cuff will automatically deflate if the cuff pressure exceeds 300mmHG. If the cuff pressure becomes too uncomfortable and does not automatically deflate, detach the cuff from your arm and contact your care provider.
- If you have had a mastectomy or a dialysis graft, do not put the arm cuff around the affected side.

To measure your blood pressure:

1. Insert your hand into the sleeve of the cuff as shown, and then pull it up your arm. Ensure that the cuff makes direct contact with your skin.



2. Fasten the blood pressure cuff around your upper arm about 1 inch above your elbow.



3. If you have a session waiting for you to complete on your telehealth appliance, start the session and follow the instructions on your telehealth appliance as you normally do. When you are prompted to measure your blood pressure, press the START button on your blood pressure monitor. The arm cuff inflates.

When the measurement is complete, your blood pressure and pulse are displayed, and the arm cuff deflates automatically.

If you do not have a session waiting for you to complete on your telehealth appliance, and you want to measure your blood pressure now, press the START button on your blood pressure monitor. The arm cuff inflates. When the measurement is complete, your blood pressure and pulse are displayed, and the arm cuff deflates automatically.

4. Remove the arm cuff from your arm. If for any reason you need to measure your blood pressure again, wait at least 10 minutes.

Then the backlight is on, And, announce and display the measurement value.

Your measurement is now complete. If you took a measurement during a session, the bluetooth symbol on your blood pressure monitor blinks five times to indicate that your measurement was transferred to your telehealth appliance.

If the bluetooth transition success, it will enter Turn Off mode after 60seconds timeout or press On/Off key. .

it is fail, and store the measurement data to memory. At the same time display EC20 for 25seconds, and then turn off.

## 6. Error messages on your blood pressure monitor

When you use your blood pressure monitor, it might display an error message to indicate that a problem occurred.

The following table provides explanations of the error messages that you might see on your blood pressure monitor and what you can do to try to resolve the problem. If you cannot resolve a problem, contact your care provider.

Message	Description
<b>EC02</b>	The blood pressure monitor could not detect a stable pressure signal. Try again
<b>EC04</b>	The cuff did not deflate properly. Try again


Message	Description
<b>EC10</b>	The blood pressure monitor was not able to connect to your telehealth appliance. Place your blood pressure monitor closer to your telehealth appliance, and try again
<b>EC20</b>	The blood pressure monitor could not transmit your measurements to your telehealth appliance. Place your blood pressure monitor closer to your telehealth appliance, ensure that telehealth appliance is on, and then try again.
<b>EC87</b>	The cuff did not inflate properly. Check the cuff hose for leaks or loose connections, adjust the cuff position, and then try again
<b>EC91</b>	The blood pressure monitor could not detect a stable pressure signal. Try again
<b>EC92</b>	An error occurred with the internal hardware of the blood pressure monitor. Try again








Message	Description
<b>EC98</b>	An error occurred with the internal software of the blood pressure monitor. Try again.

## 7. Symbols and Functional Features



### Front of the blood pressure monitor

Symbol	Description
	



Please fill in the blank



Symbol	Description
	
	
	
	
	

## Top of the blood pressure monitor

Symbol	Description
	
	

## Battery compartment (bottom)

Symbol	Description
	
	

Symbol	Description
	
	

## 8. Cleaning, maintenance, and disposal

To clean the blood pressure monitor, use a soft cloth dampened with water. Do not use any chemical or scouring agents. Ensure that liquid cannot penetrate into the blood pressure monitor.

If your blood pressure monitor requires maintenance, contact your care provider. Contact your care provider regarding the disposal of your blood pressure monitor. Ensure that old batteries are disposed of in an approved location, separately from domestic waste.

## 9. Technical data

Measurement range: 20 – 250 mmHG

Protection class: IP21

Operating temperature: 41°F (5°C) to 104°F (40°C)

Relative humidity: 15%–93%□;□□Atmospheric pressure: 80kPa-105kPa□□

Storage temperature: -13°F (-25°C) to 158°F (70°C)

Relative humidity: 15%–93%□;□□Atmospheric pressure: 80kPa-105kPa□□

Power: 4 AA (R6P) batteries, 6V

Cuff size: 8.6 in x 12.6 in (22 cm x 32 cm)

Expected battery life: 3 months (with 2 measurement cycles per day)

Expected life of blood pressure monitor and cuff: 3 years

Pressure accuracy: 3 mmHG

## 10. Regulatory

**Intended Use:** The Bosch Branded Blood Pressure Monitoring (BPM) System is intended for use by adults, to measure systolic and diastolic pressures as well as pulse rate, by the oscillometric method, in a telehealth system and for personal home use.



Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Do not attempt to open or modify the device.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate

radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **Industry Canada Statement**

This device complies with Industry Canada licence-exempt RSS-210. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

**FCC ID: NMTBP5000BT**

**IC: 3277A-BP5000BT**

## **Canadian Representative Information**

**Company Name: TJS Technical Services Inc.**

**Address: 203-304 Main Street Suite 160 Airdrie Alberta T4B 3C3 Canada**

**Contact Name: Thomas J Smith P.Eng**

**E-mail Address: tsmith@tjstechnical.com**

**Telephone No.: (403)612-6664**

**Facsimile No.: (403)612-6664**

This device complies with the following standards:

IEC 60601-1:2005/AC:2010

IEC 60601-1-2:2007

ISO 81060-2:2009

IEC 80601-2-30:2009





WEEE Compliance



RoHS Compliance



Consult Instructions for Use



Bluetooth®



Use the blood pressure monitor indoors only.

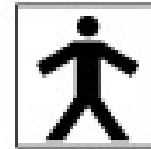
Tested to Comply

With FCC Standards

Contains FCC ID: R47F2M03GX



Keep dry.



BF symbol for “applied parts”



Keep away from heat.

Manufacturer:

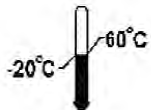


Robert Bosch Healthcare Systems, Inc.

2118 Beechgrove Pl.

Utica NY, 13501

USA



Shipping temperature range.



WEEE Compliance



Consult Instructions for Use



Use the blood pressure monitor indoors only.



Keep away from heat.



Shipping temperature range.



RoHS Compliance



Bluetooth®



EN 60950 Compliance



BF symbol for “applied parts”

Manufacturer:



osch Healthcare Systems, Inc.  
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Utica NY, 13501  
USA

# **Blood Pressure Monitor** BP5000 BT