# FORA TD-3261G

Blood Glucose Plus Blood Pressure Monitoring System

## Owner's Manual

English

## Dear TD-3261G System Owner:

Thank you for purchasing the **TD-3261G** Blood Glucose plus Blood Pressure Monitoring System. This manual provides important information which helps you to operate this system smoothly. Before using this product, please read the following contents thoroughly and carefully.

According to the clinical studies from American Diabetes Association, elevated blood pressure often accompanies adult diabetes patients. These studies also suggest that diabetes patients could reduce the risk of cardiovascular diseases by managing their blood glucose levels and blood pressure. Therefore, with easy operation of this **TD-3261G** Blood Glucose plus Blood Pressure Monitoring System, you can easily monitor your blood glucose levels and blood pressure by yourself at any place, any time. In addition, this system can help you and your healthcare professionals to monitor and adjust your treatment plans, and keep your diabetes and blood pressure under control.

If you have other questions regarding this product, please contact the place of purchase.

Version 3.0 2019/02 311-3261000-XXX

# IMPORTANT SAFTY INSTRUCTIONS READ BEFORE USE

1. Use this device **ONLY** for the intended use described in this manual.
2. Do **NOT** use accessories which are not specified by the manufacturer.
3. Do **NOT** use the device if it is not working properly or damaged.
4. Do **NOT** use the equipment where aerosol sprays are being used or where oxygen is being administered.
5. This device does **NOT** serve as a cure for any symptoms or diseases. The data measured is for reference only. Always consult your physician to have the results interpreted.
6. Before using this device to test blood glucose, read all instructions thoroughly and practice the test. Do all quality control checks as directed.
7. Keep the device and testing supplies away from young children. Small items such as the battery cover, batteries, test strips, lancets and vial caps are choking hazards.
8. Keep the equipment and its flexible cord away from hot surfaces.
9. Do **NOT** apply the cuff to areas other than the place directed.

10. Use of this instrument in a dry environment, especially if synthetic materials are present (synthetic clothing, carpets etc.) may cause damaging static discharges that may cause erroneous results.

11. Do **NOT** use this instrument in close proximity to sources of strong electromagnetic radiation, as these may interfere with the correct operation.

12. Proper maintenance and periodically control solution test are essential to the longevity of your device. If you are concerned about your accuracy of measurement, please contact local customer service for help.

13. Always contact the manufacturer or the manufacturer's representative to report unexpected operation or event. Do not try to fix it by yourself.

14. When using the thermometer, stay away from electromag netic radiation, such as the mobile in use.

15. Used in close proximity to others, EMC must be tested and verified.

16. The accessible materials used in the device will not cause the potential allergic reactions to skin.

**KEEP THESE INSTRUCTIONS IN A SAFE PLACE**

# TABLE OF CONTENTS

# BEFORE YOU BEGIN

## Important Information

- Severe dehydration and excessive water loss may cause readings which are lower than actual values. If you believe you are suffering from severe dehydration, consult a healthcare professional immediately.

- If your blood glucose results are lower or higher than usual, and you do not have symptoms of illness, first repeat the test. If you have symptoms or continue to get results higher or lower than usual, follow the treatment advice of your healthcare professional.

- Use only fresh whole blood sample to test your blood glucose. Using other substances will lead to incorrect results.

- If you are experiencing symptoms that are inconsistent with your blood glucose test results and you have followed all instructions described in this owner's manual, call your healthcare professional.

- We do not recommend using this product on severely hypotensive individuals or patients in shock. Please consult the healthcare professional before use.

## Intended Use

This system is a 2 in 1 system designed to measure blood glucose outside the human body (*in vitro* diagnostic use) and to measure blood pressure non-invasively. It is intended for use at home and in clinical settings as an aid to monitoring the effectiveness of diabetes control. It uses fresh whole blood samples from the finger, palm, forearm and upper arm.The device is intended for use of all ages for home and professional use by one with a good understanding of the operation instruction, where the patient may be an operator.

It shall not be used for the diagnosis of diabetes and hypertension. This system has voice function, but is not designed for the visually impaired.

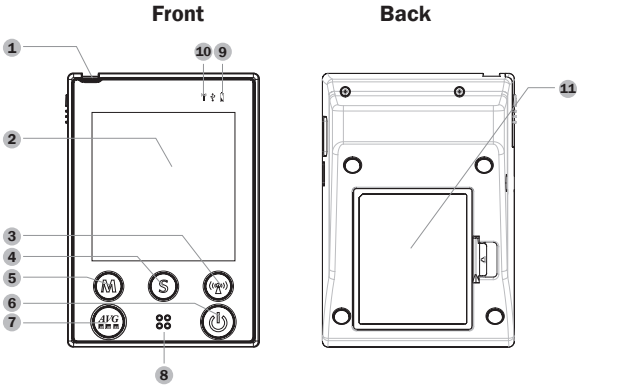
## Test Principle

Your system measures the amount of sugar (glucose) in whole blood. The glucose testing is based on the measurement of electrical current generated by the reaction of glucose with the reagent of the strip. Your monitor measures the current, calculates the blood glucose level, and displays the result. The strength of the current produced by the reaction depends on the amount of glucose in the blood sample.

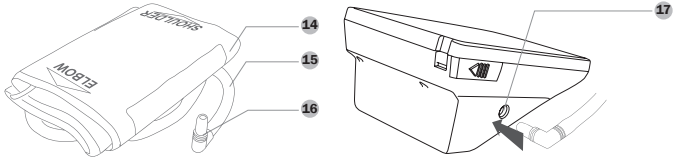
The blood pressure is measured non-invasively at the arm based on the Oscillometric method.

This device is NOT able to take measurements in the presence of common arrhythmia, such as arterial or ventricular premature beats or arterial fibrillation. It may produce reading errors.

# Monitor Overview

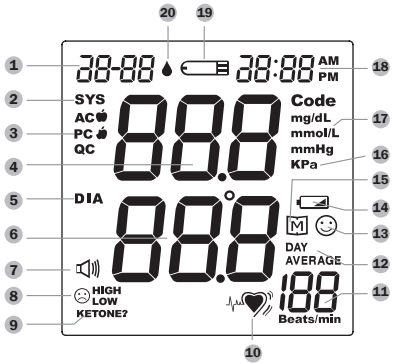



**Pressure Cuff**



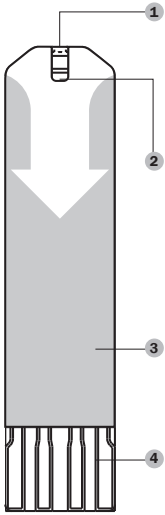
1. **TEST SLOT**
   Insert test strip here to turn the monitor on for testing.
2. **DISPLAY SCREEN**
3. **RF BUTTON**
   Assists you with wireless data transmission.
4. **S BUTTON**
   Enter and confirm the monitor settings.
5. **M BUTTON**
   Enter the monitor memory.
6. **ON/OFF BUTTON**
   To start a single blood pressure measurement.
7. **AVERAGE BUTTON**
   Assists you with blood pressure average mode.
8. **Speaker**
9. **RF INDICATOR**
   Indicates a wireless data transmission.
10. **POWER INDICATOR**
    Indicates the power status of the device.
11. **BATTERY COMPARTMENT**
12. **STRIP EJECTOR**
    Eject the used strip by pushing up this button.
13. **AC/DC ADAPTER PORT**
    Connect to a power supply.
14. **PRESSURE CUFF**
15. **AIR TUBE**
16. **AIR PLUG**
    Connect to air jack.
17. **AIR JACK**
18. USB PORT
    For maintenance and engineering only

## Screen Display




1. **Date**
2. **Systolic Pressure Symbol**
3. **Measurement Mode**
4. **Systolic Pressure Value**
5. **Diastolic Pressure Symbol**
6. **Diastolic Pressure Value**
7. **Volume Symbol**
8. **Face/Low/High Symbol**
9. **Ketone Warning**
10. **Heart Symbol - for IHB Detection (Irregular Heart Beat)**
11. **Pulse Rate**
12. **Day Average**
13. **Result Indicator**
14. **Low Battery Symbol**
15. **Memory Symbol**
16. **Unit for Blood Pressure**
17. **Unit for Blood Glucose**
18. **Time**
19. **Test Strip Symbol**
20. **Blood Drop Symbol**

## Test Strip



**1 Absorbent Hole**

Apply a drop of blood here.
The blood will be automatically absorbed.

**2 Confirmation Window**

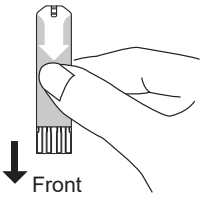
This is where you confirm if enough blood has been applied to the absorbent hole in the strip.

**3 Test Strip Handle**

Hold this part to insert the test strip into the slot.

**4 Contact Bars**

Insert this end of the test strip into the meter. Push it in firmly until it will go no further.




**ATTENTION:**
**The front side of test strip should face up when inserting test strip.**
Test results might be wrong if the contact bar is not **fully** inserted into the test slot.

**NOTE**

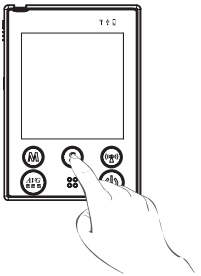
The **TD-3261G** monitor should only be used with **TD-3261G** Test Strips.
Using other test strips with this meter can produce inaccurate results.

## Features

| Model | Data Transmission Function |
|---|---|
|   For TD-3261G | Test results can be viewed through a wireless connection by using 4G. |
|   For TD-3261B | Test results can be viewed through a wireless connection by using Bluetooth. |

## SETTING THE MONITOR

Before using your monitor for the first time or if you change the meter battery, check and update these settings. Make sure you complete the steps below and have your desired settings saved.



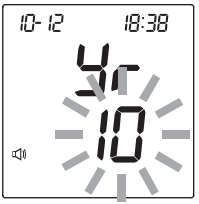
**► Entering the setting mode**

Start with the monitor off (no test strip inserted). Press **S** until the monitor turns on.

**Step 1**

**Setting the date.**

With the year flashing, press **M** until the correct year appears. Press **S**.



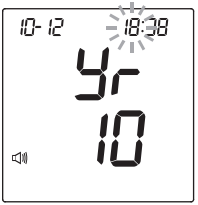

With the month flashing, press **M** until the correct month appears. Press **S**.

With the day flashing, press Ⓜ until the correct day appears. Press Ⓢ.


**Step 2**

**Setting the time**

With the hour flashing, press Ⓜ until the correct hour appears. Press Ⓢ.

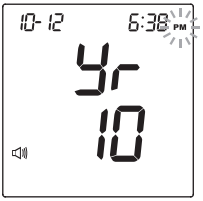



With the minute flashing, press Ⓜ until the correct minute appears. Press Ⓢ.


**Step 3**

**Setting the time format**

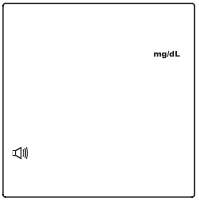
Press Ⓜ to select the desired time format — 12h or 24h. Press Ⓢ.



## Step 4

**Setting the measurement unit**

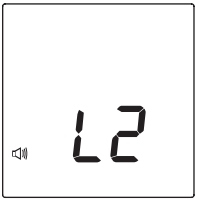
Press Ⓜ to select the desired blood glucose measurement unit- mg/dL or mmol/L. Press Ⓢ.




## Step 5

**Setting a language**

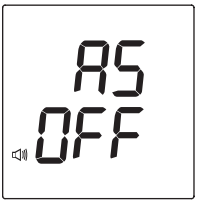
Press Ⓜ to select L1 / L2. The default language for the meter is L1, which is English; L2 is French. To confirm your selection, press Ⓢ.


## Step 6

**Setting the auto-send**

Press Ⓜ to select the auto-send On or OFF. Press Ⓢ.





This function is referring to the 4G or Bluetooth service. If “On” is selected, your result will be transmitted right after the test.

## Step 7

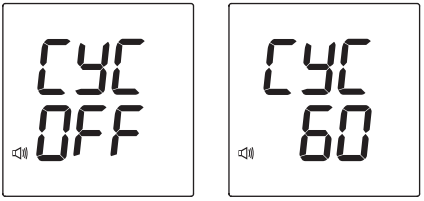
**Deleting the memory**

While “dEL” and a flashing “ M ” symbol appear on the display along with user numbers, if you do not wish to delete the saved results, press S to skip this step. If you wish to delete ALL the results, press M twice.


## Step 8

**Setting the cycle mode**

Press M to choose the desired blood pressure cycle mode from the following time interval selections: OFF, 5, 10, 15, 20, 30, 40 or 60 minutes. Press S to turn off the meter.




**Congratulations! You have completed all settings!**

**NOTE**

- These parameters can **ONLY** be changed in the setting mode.
- If the monitor is idle for 3 minutes during the setting mode, it will turn off automatically.

# TESTING YOUR BLOOD GLUCOSE

## The Four Measuring Modes

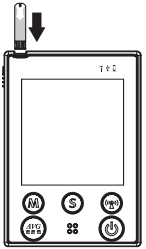
The monitor provides you with four modes for measuring, General, AC, PC and QC.

| Modes | Use when |
|---|---|
| **Gen** (not displayed) | any time of day without regard to time since last meal |
| **AC** | no food intake for at least 8 hours |
| **PC** | 2 hours after a meal |
| **QC** | testing with the control solution |

You can switch between each mode by:

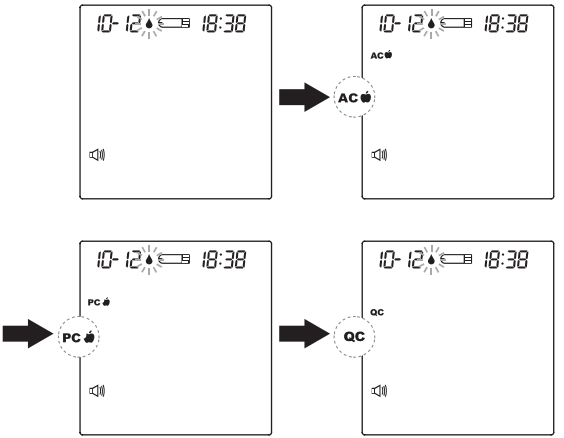
**Step 1**

Start with the monitor switched off. Insert a test strip to turn on the monitor.



**Step 2**

Press Ⓜ to switch between General, AC, PC and QC mode.



# QUALITY CONTROL TESTING

**When should the control solution test be performed?**

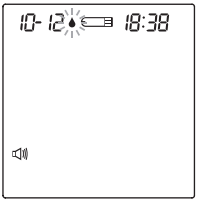
- if it is mandatory following the local regulations in your country,
- if you suspect the monitor or test strips are not working properly
- if your blood glucose test results are not consistent with how you feel, or if you think the results are not accurate
- to practice testing process, or
- if you have dropped or think you may have damaged the monitor.

## Performing a Control Solution Test

**Step 1**

**Insert the test strip to turn on the monitor**

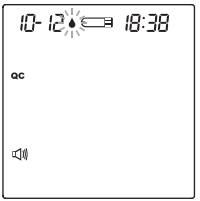
Insert the test strip into the monitor. Wait for the monitor to display the test strip and blood drop symbol.




**Step 2**

**Press Ⓜ to mark this test as a control solution test**

With “QC” displayed, the monitor will store your test result in memory. If you press Ⓜ again, the “QC” will disappear and this test is no longer a control solution test.



**WARNING**

When doing the control solution test, you have to mark it so that the test result will **NOT** mix with the blood glucose **TEST RESULTS** be stored in the memory. Failure to do so will mix up the blood glucose test results with the control solution test results in memory.

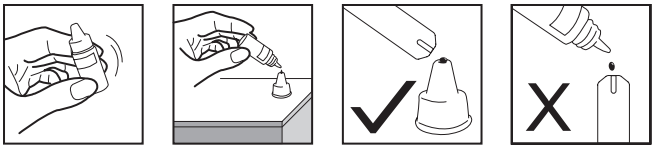
**Step 3**

**Apply Control Solution**

Shake the control solution vial thoroughly before use. Squeeze out a drop and wipe it off, then squeeze another drop and place it on the tip of the vial cap.

Hold the monitor to move the absorbent hole of test strip to touch the drop. Once the confirmation window fills completely, the monitor will begin counting down.

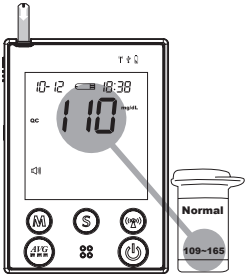
To avoid contaminating the control solution, do not directly apply control solution onto a strip.



**Step 4**

**Read and Compare the Result**

After counting down to 0, the test result of control solution will appear on the display. Compare this result with the range printed on the test strip vial and it should fall within this range. If not, please read the instructions again and repeat the control solution test.




**Out-of-range results**

If you continue to have test results fall outside the range printed on the test strip vial, the monitor and strips may not be working properly. **Do NOT** test your blood. Contact the local customer service or place of purchase for help.

**NOTE**

- The control solution range printed on the test strip vial is for control solution use only. It is not a recommended range for your blood glucose level.
- See the **MAINTENANCE** section for important information about your control solutions.

# TESTING WITH BLOOD SAMPLE

**NOTE**

To reduce the chance of infection:

- Never share a lancet or the lancing device.
- Always use a new, sterile lancet. Lancets are for single use only.
- Avoid getting hand lotion, oils, dirt, or debris in or on the lancets and the lancing device.

## Preparing the Lancing Device for Blood Testing

Please follow the instructions in the lancing device insert for collecting a blood sample.

## Preparing the Puncture Site

Stimulating blood perfusion by rubbing the puncture site prior to blood extraction has a significant influence on the glucose value obtained. Blood from a site that has not been rubbed exhibits a measurably different glucose concentration than blood from the finger. When the puncture site is rubbed before blood extraction, the difference is significantly reduced.

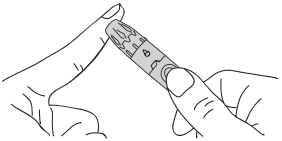
**Please follow the suggestions below before obtaining a drop of blood:**

- Wash and dry your hands before starting.
- Select the puncture site either at fingertips or another body parts (please see section “Alternative Site Testing” (AST) on how to select the appropriate sites).

- Rub the puncture site for about 20 seconds before penetration.
- Clean the puncture site using cotton moistened with 70% alcohol and **let it air dry.**
- Use a clear cap (included in the kit) while setting up the lancing device.

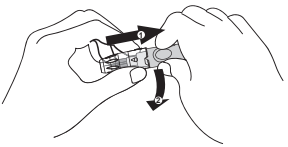
**► Fingertip testing**

Press the lancing device's tip firmly against the lower side of your fingertip. Press the release button to prick your finger, then a click indicates that the puncture is complete.



**► Blood from sites other than the fingertip**

Replace the lancing device cap with the clear cap for AST. Pull the cocking control back until it clicks. When lancing the forearm, upper arm or hand, avoid lancing the areas with obvious veins to avoid excessive bleeding.



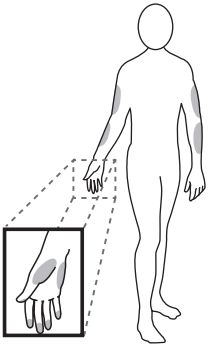
**NOTE**

- Choose a different spot each time you test. Repeated punctures at the same spot may cause soreness and calluses.
- Please consult your health care professional before you begin AST.
- It is recommended to discard the first drop of blood as it might contain tissue fluid, which may affect the test result.

**IMPORTANT: There are limitations with AST (Alternative Site Testing). Please consult your health care professional before you perform AST.**

**What is AST?**

Alternative site testing (AST) means that people use parts of the body other than the fingertips to check their blood glucose levels. This system allows you to test on the palm, the forearm or the upper arm, the calf or the thigh with the equivalent results to fingertip testing.



**What is the advantage?**

Fingertips feel pain more readily because they are full of nerve endings (receptors). At other body sites, since nerve endings are not so condensed, you will not feel as much pain at the fingertips.

**When to use AST?**

Food, medication, illness, stress and exercise can affect blood glucose levels. Capillary blood at fingertip reflects these changes faster than capillary blood at other sites. Thus, when testing blood glucose during or immediately after meal, physical exercise, or any other event, **take the blood sample from your finger only.**

We strongly recommend that you perform AST **ONLY** at the following times:

- In a pre-meal or fasting state (more than 2 hours since the last meal).
- Two hours or more after taking insulin.
- Two hours or more after exercise.

Do **NOT** use AST if:

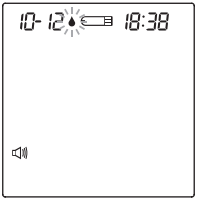
- You think your blood glucose is low.
- You are unaware of hypoglycemia.
- You are testing for hyperglycemia.
- Your AST results do not match the way you feel.
- Your routine glucose results are often fluctuating.

## Performing a Blood Glucose Test

**Step 1**

**Insert the test strip to turn on the monitor**

Wait for the monitor to display the test strip and blood drop symbol.




**Step 2**

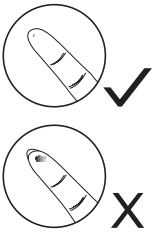
**Select the appropriate measuring mode by pressing M .**

For selecting the measurement mode, please refer to THE FOUR MEASURING MODES section.

## Step 3

**Obtaining a blood sample**

Use the pre-set lancing device to puncture your desired site. After penetration, discard the first drop of blood with a clean tissue or cotton. Gently squeeze the punctured area to obtain another drop of blood. Be careful **NOT** to smear the blood sample.

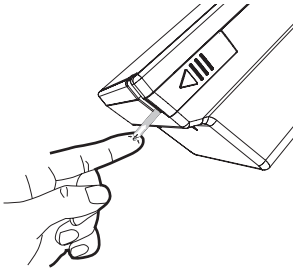


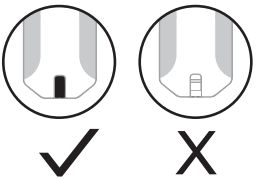
The volume of blood sample must be at least 0.5 microliter (μL) of volume. ( actual size).

## Step 4

**Apply the Sample**

Gently apply the drop of blood to the absorbent hole of the test strip at a tilted angle. Confirmation window should be completely filled if enough blood sample has been applied. Do **NOT** remove your finger until you hear a beep sound.





**NOTE**

- Do not press the punctured site against the test strip or try to smear the blood.
- If you do not apply a blood sample to the test strip within 3 minutes, the monitor will automatically turn off. You must remove and reinsert the test strip to start a new test.
- The confirmation window should be filled with blood before the monitor begins to count down. **NEVER** try to add more blood to the test strip after your drop of blood has moved away. **Discard the used test strip and retest with a new one.**
- If you have trouble filling the confirmation window, please contact your health care professional or the local customer service for assistance.

**Step 5**

**Read Your Result**


The result of your blood glucose test will appear after the monitor counts down to 0. This blood glucose result will automatically be stored in the memory.

**Step 6**

**Eject the used test strip and remove the lancet**

To eject the test strip, point the strip at a disposal container for sharp objects. The monitor will switch itself off automatically after the test strip is ejected.

**Always use caution when removing the lancet and follow the instructions in the lancing device insert when removing the lancet.**

**WARNING**

The used lancet and test strip may be biohazards. Please discard them carefully according to your local regulations.

## TESTING YOUR BLOOD PRESSURE

This monitor provides you two different ways to measure your blood pressure. Select from the options below:

- Single measurement
  Perform an individual blood pressure measurement.
- Average measurement
  Automatically perform three (3) consecutive blood pressure measurements and display the final average result.

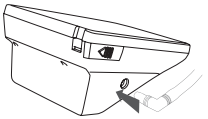
### Before Measurement

- Avoid caffeine, tea, alcohol and tobacco at least 30 minutes before measurement.
- Wait 30 minutes after exercising or bathing before measurement.
- Sit or lie down for at least 10 minutes before measurement.
- Do not measure when feeling anxious or tense.
- Take a 5-10 minute break between measurements. This break can be longer if necessary, depending on your physical conditions
- Keep the records for your doctor as reference.
- Blood pressure varies between each arm. Always measure your blood pressure on the same arm.
- To take a blood pressure measurement after performing a blood glucose test, make sure that the test strip has been removed from the monitor.

## ► Fitting the Cuff Correctly

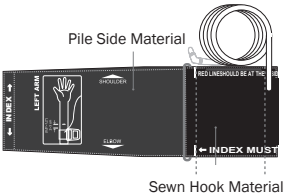
### Step 1

Connect the air plug of the tubing to the air jack of the monitor.



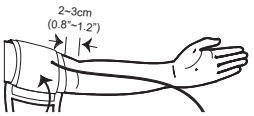
### Step 2

Assemble the cuff as shown on the right. The smooth surface should be inside the cuff loop and the metal D-ring should not touch your skin.




### Step 3

Stretch your left (right) arm in front of you with your palm facing up. Slide and place the cuff onto your arm with the air tube and artery mark region (in red) toward the lower arm.



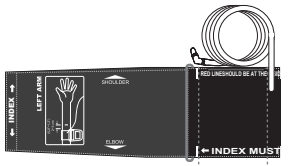

Wrap and tighten the cuff above your elbow. The red line on the edge of the cuff should be approximately 0.8 to 1.2 inches (2 to 3 cm) above your elbow. Align the tube over the main arteries on the inside.

### Step 4

Leave a little free space between the arm and the cuff, you should be able to fit 2 fingers between them. Clothing must not restrict the arm. Remove all clothing covering or constricting the measurement arm.

**Step 5**

Press the hook material firmly against the pile material. The top and bottom edges of the cuff should be tightened evenly around your upper arm.




►The range index of cuff should fall into this range.

**► Proper Measurement Position**

**Step 1**

Sit down for at least 10 minutes before measuring.

**Step 2**

Place your elbow on a flat surface. Relax your hand with the palm facing up.

**Step 3**

**Make sure the cuff is about the same height as the location of your heart.** Remain still and do not talk or move during the measurement.

**Step 4**

**Measurement is in progress.**

After the monitor is turned on, the cuff will begin to inflate automatically.

## Taking a Single Measurement

**Always apply the pressure cuff before turning on the monitor.**

**Step 1**

Press ⏻ . All the LCD symbols will appear. Then the cuff will begin to inflate automatically.

**Step 2**

The heart symbol " ♥ " will flash when a pulse is detected during the inflation.


**Step 3**

After the measurement, the monitor displays the systolic pressure, diastolic pressure and pulse rate.


**Step 4**

Press ⏻ to switch off. Or it will switch off automatically after left idle for 3 minutes.

**NOTE**

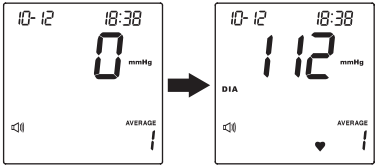
- If you press ⏻ during measurement, the monitor will be turned off.
- If the pulse rate symbol is shown as " ♥ " instead of " ♥ ", this indicates that the monitor has detected an irregular heart beat.

## Average Mode Measurement

**Always apply the pressure cuff before turning on the monitor.**

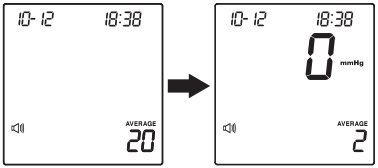
### Step 1

Press . The monitor will turn on and enter the averaging mode. Then the cuff will begin to inflate automatically.




### Step 2

After the first measurement is complete, the monitor will start counting down before the second measurement begins. The number on the right represents the remaining countdown between each measurement. The monitor will take three (3) measurements consecutively with an interval of 20 seconds.




**NOTE**

When the difference between the first and second systolic pressure is more than 15 mmHg, the time interval for third measurement will be 40 seconds.

**Step 3**

After taken three measurements, the results are averaged to produce the blood pressure measurement. Press ⏻ to turn off the monitor.


## Auto Cycle Mode

**Always apply the pressure cuff before turning on the monitor.**

**Step 1**

Press Ⓢ to enter cycle mode. The monitor will automatically take blood pressure measurement in 2 minutes for first measurement. The CYC On will show on the display and keep still until the remaining time is in 1 minute. The number on the right represents the remaining seconds countdown from 59 between each measurement.



**Step 2**

The cuff will begin to inflate automatically. After the first measurement is complete, the monitor will take measurement consecutively in the selected time intervals for up to 5 hours.

**Step 3**

After completion of the cycle mode for 5 hours, the monitor will display “End” and press any key to turn off the monitor.


**NOTE**

To discontinue the cycle mode measurement during the time intervals, press and hold S for 3 seconds to enter setting mode and select cycle mode OFF. Press S again to turn off the monitor.

## MONITOR MEMORY

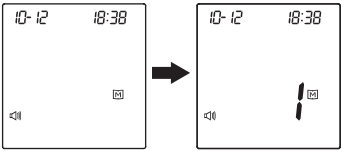
Your monitor stores the 864 most recent test results along with respective dates and times in its memory. To recall the memory, **start with the monitor off.**

### Reviewing Test Results

**Step 1**

**Press and release Ⓜ .**

" Ⓜ "will appear on the display.




**Step 2**

**Press Ⓜ .**

Review all test results stored in the monitor. Press Ⓜ to search the result forwards, and press Ⓢ to search the result backwards.


**Step 3**

**Exit the memory.**

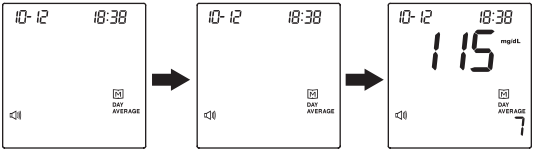
Press ⏻ and the monitor will turn off.

## Reviewing Day Average Results

**Step 1**

**Press and hold Ⓜ for 3 seconds.**

When " Ⓜ " appears on the display, keep pressing Ⓜ for 3 seconds until the flashing "DAY AVERAGE" appears. Release Ⓜ and then your blood glucose or blood pressure 7-day average result will appear on the display.




**Step 2**

**Press Ⓜ .**

Review your 14- and 30-day average.

**Step 3**

**Press Ⓢ .**

Switch to review your blood glucose or blood pressure 7-, 14-, and 30-day average.


**Step 4**

**Exit the memory.**

Press ⏻ and the monitor will turn off.

## NOTE

- Any time you wish to exit the memory, press ⏻ or leave it without any action for 3 minutes. The monitor will turn off automatically.
- Control solution results are **NOT** included in the day average.
- If using the monitor for the first time, "—" displays when you recall the test results or review the average result. This indicates that there is no test result in the memory.


- The blood glucose test results of Lo and Hi will NOT be calculated in the day average results.

## DATA TRANSMISSION VIA BLUETOOTH (For TD-3261B)

You can transmit your data from the meter to your devices via Bluetooth. Please contact your local customer service or place of purchase for assistance. Please note that you must complete the pairing between meter and Bluetooth receiver before transmitting data.

**Pairing with your mobile device**

1. Turn on the Bluetooth function on your mobile device.
2. With the meter off. Press to turn Bluetooth on.

"PCL" will appear on the display.


3. Follow the instruction of your APP to pair the device. (Ex. Search to find the meter and then add it into app.)
4. After successfully pairing the APP with the device, the Bluetooth function of meter shall be on before transmitting the data to your APP.

**RF indicator on the meter**

| BLUETOOTH INDICATOR | STATUS |
|---|---|
| Flashing Blue | The Bluetooth function is on and waiting for connection. |
| Solid Blue | The Bluetooth connection is established. |

**NOTE**

- While the meter is in transmission mode, it will be unable to perform a test.
- Make sure your device with iOS (7 or above) or Android System (4.3 or above) has turned on Bluetooth before transmitting the data and the meter is within the receiving range.
- The Bluetooth functionality is implemented in different ways by the various mobile device manufacturers, the compatibility issue between your mobile device and the meter maybe occur.

## DATA TRANSMISSION VIA 4G (For TD-3261G)

**For 4G Version**

Before initiating 4G transmission, make sure the SIM card and the battery are inserted correctly.

**1. How to initiate 4G transmission**

Three methods can initiate 4G transmission

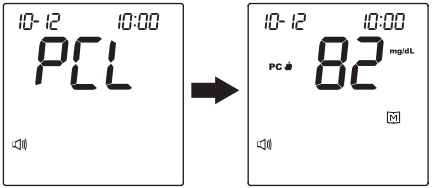
(a) with the meter turned off, press to initiate 4G transmission of batch upload for current user with test results which have not been uploaded.

(b) setting the auto-send On, the meter will initiate 4G after measurement to send the current new data,

(c) in memory mode, press to initiate 4G to upload data shows on the screen.

**2. During transmission**

With the meter turned off, press to initiate the data transmission from the meter. “PCL” will appear on the display first and the RF indicator will light up in blue. Then the test result under transmission will show on the screen.



When the RF indicator is blinking in blue, the data transmission is waiting for connection. When the RF indicator is in solid blue, the 4G connection is established.

Press ⏻ and the meter will turn off.

**NOTE**

- If the SIM card is not inserted, the “PCL” will start blinking, as in the figure shown as right, and the meter will turn off automatically after blinking for 30 seconds.
- If the monitor displays a message like the one on the right while connecting to the server, please try again. If the problem still persists, contact the place of purchase for help.
- While the monitor is during data transmission, it is unable to perform tests.



You could check the signal quality on your device if having difficulties connecting to the service or before starting data transmission.

**Signal Quality Check**

To begin the quality check, press and hold RF button for 10-15 seconds when the monitor is off. Wait until PCL appears on the screen. The number displayed in the middle of the screen indicates the signal quality of 4G at where you are. For example, the signal quality in figure below displays 16.


The number displayed in the middle of the screen represents the signal quality level from 1 to 31. The greater the number, the better signal you have. We recommend that the signal quality should be above ten (10) when you perform the transmission.
For the above 3rd image, the number displayed on the right represents the battery voltage value (38), if the number is below 37, it will be unable to initiate 4G transmission.

Press ⏻ to turn off the monitor when you finish.

The poor signal quality may be caused by:
- the service is busy, or
- there is no base station nearby.

If you receive poor signal quality, take the device to a spot with a better reception and try again. Keep away from microwave or other devices that may interrupt the signal.

# MAINTENANCE

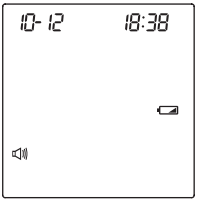
## Battery

Your monitor comes with one 3.7V lithium-ion rechargeable battery.

**► Low Battery Signal**

The monitor will display the two messages below to alert you when the monitor power is getting low.

**The " ▭ " symbol appears** along with display messages:
The monitor is functional and the result remains accurate, but it is time to recharge the battery.




If the power is not enough to do a test, the ▭ symbol starts blinking. Please recharge the battery immediately.

**► Recharging the Battery**

**The power adapter can be used as the battery charger when you need to recharge Li-ion battery.**
**To recharge the 3.7V Li-ion battery, connect AC adapter to the monitor and a power source.**

The power indicator will light up in green, which indicates the battery is undergoing a recharge. It should take approximately 5 hours to be fully charged.

If the power indicator starts blinking in green, this indicates the recharge is nearly finished. The power indicator will diminish when the recharge completes.

**NOTE**

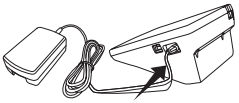
- If the power indicator is blinking in red when connecting AC adapter to a power source, this indicates the monitor is in a pre-charging stage. Do not remove AC adapter power plug. The recharge will begin shortly.
- If the battery is full-recharged but the power is getting low soon after use, please contact local customer service for assistance.

## Using AC Adapter

**► Connect AC adapter to the monitor.**

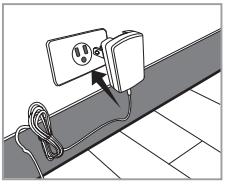
**Step 1**

Connect AC adapter plug to AC adapter jack of the monitor.



**Step 2**

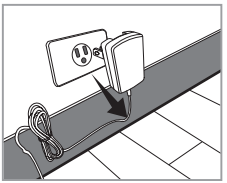
Plug AC adapter power plug into an electrical outlet. The monitor is ready for use.



**► Remove AC adapter from the monitor.**

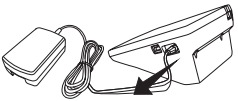
**Step 1**

**When the monitor is off,** remove AC adapter power plug from the electrical outlet.



**Step 2**

Disconnect AC adapter plug from AC adapter jack of the monitor.



**CAUTION!**

The Li-ion battery must be recharged with the TD-3261G monitor by connecting AC adapter to an electrical outlet. Only this 3.7V rechargeable Li-ion battery (battery pack no. S14500 1S4P) can be recharged with TD-3261G by the connection of AC adapter. Any other kind of rechargeable battery is not allowed or it may damage the monitor.

## Caring for Your Monitor

To avoid the meter and test strips attracting dirt, dust or other contaminants, please wash and dry your hands thoroughly before use.

**► Cleaning**

- To clean the monitor exterior, wipe it with a cloth moistened with tap water or a mild cleaning agent, then dry the device with a soft dry cloth. Do **NOT** flush with water.
- Do **NOT** use organic solvents to clean the monitor.
- Do **NOT** wash the pressure cuff.
- Do **NOT** iron the pressure cuff.

**► Monitor Storage**

- Storage condition: -25°C to 70°C (-13°F to 158°F), 10% to 95% relative humidity.
- Always store or transport the monitor in its original storage case.
- Avoid dropping and heavy impact.
- Avoid direct sunlight and high humidity.

**► Meter Disposal**

The used meter should be treated as contaminated that may carry a risk of infection during measurement. The battery in this used meter should be removed and the meter should be disposed in accordance with local regulations.

## Caring for Your Test Strips

- Storage condition: 4 °C to 40 °C (39.2 °F to 104 °F) for strip vial and 2 °C to 30 °C (35.6 °F to 86 °F) for foil package, 10% to 85% relative humidity. Do not freeze.
- Store your test strips in their original vial only. Do not transfer to other container.
- Store test strip packages in a cool and dry place. Keep away from direct sunlight and heat.
- After removing a test strip from the vial, immediately close the vial cap tightly.
- Touch the test strip with clean and dry hands.
- Use each test strip immediately after removing it from the vial.
- Write the opening date on the strip vial label when you first opened it. Discard remaining test strips after 6 months.
- Do not use test strips beyond the expiry date. This may cause inac curate results.
- Do not bend, cut, or alter a test strip in any way.
- Keep the strip vial away from children since the cap and the test strip may be a choking hazard. If swallowed, promptly see a doctor for help.

For further information, please refer to the test strip package insert.

## Important Control Solution Information

- Use only our control solutions with your monitor.
- Do not use the control solution beyond the expiry date or 3 months after first opening. Write the opening date on the control solution vial and discard the remaining solution after 3 months.
- It is recommended that the control solution test should be done at room temperature (20°C to 25°C / 68°F to 77°F). Make sure your control solution, monitor, and test strips are at this specified temperature range before testing.
- Shake the vial before use, discard the first drop of control solution, and wipe off the dispenser tip to ensure a pure sample and an accurate result.
- Store the control solution tightly closed at temperatures between 2°C and 30°C (36°F and 86°F). Do NOT freeze.

## SYSTEM TROUBLESHOOTING

If you follow the recommended action but the problem persists, or error messages other than the ones below appear, please call your local customer service. Do not attempt to repair by yourself and never try to disassemble the monitor under any circumstances.

### Result Readings

| MESSAGE | WHAT IT MEANS |
|---|---|
| **BLOOD GLUCOSE** | |
|  | Appears when your result is below measurement limit, which is less than 20 mg/dL (1.1 mmol/L). |
|  | Appears when your result is between 20 to 69 mg/dL (1.1 to 3.8 mmol/L). It indicates the result is below reference range. |
| These symbols indicate hypoglycemia (low blood glucose) You should seek medical assistance immediately. | |
|  | Appears when your result is in the reference range from 70 to 119 mg/dL (3.9 to 6.6 mmol/L). |
|  | Appears when your result is equal to or greater than 120 mg/dL (6.6 mmol/L). It indicates the result is higher than reference range. |

| | |
|---|---|
|  | Appears when your result is equal to or higher than 240 mg/dL (13.3 mmol/L). This indicates the possibility of ketone accumulation for type 1 diabetes. Please seek medical assistance immediately. |
|  | Appears when your result is higher than the limit of measurement, which is higher than 600 mg/dL (33.3mmol/L). |
| **MESSAGE** | **WHAT IT MEANS** |
| **BLOOD PRESSURE** | |
|  | Appears when your systolic pressure is below 140mmHg and your diastolic pressure is below 90mmHg. |
|  | Appears when your systolic pressure is equal to or higher than 140mmHg or your diastolic pressure is equal to or higher than 90mmHg. |

## Error Messages

| MESSAGE | CAUSE | WHAT TO DO |
|---|---|---|
| **Err 1** | Problem with the cuff or meter. | Please contact local customer service for help. |
| **Err 2~Err 8** | Problem with the measurement. | Refit cuff tightly and correctly. Relax for 5 minutes and repeat the measurement. If the error still remains, please contact the local customer service for help. |
| **Err 10~Err 20** | Problem with the meter. | Please contact the local customer service for assistance. |
| **E-U** | Strip has been used. | Repeat the test with a new strip. |
| **E-F** | Test strip is removed while counting down, or insufficient blood volume. | Review the instructions and repeat the test with a new strip. If problem persists, contact the local customer service for assistance. |
| **E-t** | Environmental temperature is outside the system's operational range. | System operational range is 10°C to 40°C (50°F to 104°F). Repeat the test after the monitor and test strip have reached the above temperature. |
|  | Battery is low. | Recharge the battery immediately. |

## Error Messages of 4G Transmission

| MESSAGE | CAUSE | WHAT TO DO |
|---|---|---|
| **PCL** | No SIM card inserted. | Insert your SIM card and place it correctly before transmitting data. |
| **PCL Err 27-30**<br>**PCL Err 40-45**<br>**PCL Err 50**<br>**PCL Err 62-69** | Problem with upload. | Please start over and try again. If the problem persists, please contact local customer service for assistance. |
| **PCL Err 31-37**<br>**PCL Err 72-76** | Problem with setting. | Please contact customer service for assistance. |
| **PCL Err 38** | Unfinished registration. | Please contact customer service for assistance. |
| **PCL Err 39** | Problem with reading SIM card. | Turn off the device and start over. Follow the instructions and try again. |
| **PCL Err 2-26**<br>**PCL Err 46-61**<br>**PCL Err 84-99**<br>**PCL Err 119-127** | Problem with network. | Please start over and try again. If the problem persists, please contact local customer service for assistance. |
| **PCL Err 70-71** | Problem with 4G module. | Remove and reinstall the battery. Then, recharge the battery. |
| **PCL Err 77** | Failure connecting to the service. | Turn off the device and reconnect to the service. Change to a spot with a better quality of connection and try again. If the problem persists, please contact local customer service for assistance. |

**1. Blood Glucose Measurement**

1. If the monitor does not display a message after inserting a test strip:

| POSSIBLE CAUSE | WHAT TO DO |
|---|---|
| Test strip inserted upside down or incompletely. | Insert the test strip with contact bars end first and facing up. |
| Defective monitor or test strips. | Please contact customer service. |

2. If the test does not start after applying the sample:

| POSSIBLE CAUSE | WHAT TO DO |
|---|---|
| Insufficient blood sample. | Repeat the test using a new test strip with larger volume of blood sample. |
| Defective test strip. | Repeat the test with a new test strip. |
| Sample applied after automatically shutoff (3 minutes after last user action). | Repeat the test with a new test strip. Apply sample only when flashing " ♦ " appears on the display. |
| Defective monitor. | Please contact customer service. |

3. If the control solution testing result is out of range:

| POSSIBLE CAUSE | WHAT TO DO |
|---|---|
| Error in performing the test. | Read instructions thoroughly and repeat the test again. |
| Control solution vial was poorly shaken. | Shake the control solution vigorously and repeat the test again. |
| Expired or contaminated control solution. | Check the expiration date of the control solution. |
| Control solution that is too warm or too cold. | Control solution, monitor, and test strips should be at room temperature (20°C to 25°C / 68°F to 77°F) before testing. |
| Defective test strip. | Repeat the test with a new test strip. |
| Monitor malfunction. | Please contact customer service. |
| Improper working of meter and test strip. | Please contact customer services. |

**2. Blood Pressure Measurement**

1. If nothing is displayed after pressing the On/Off button:

| POSSIBLE CAUSE | WHAT TO DO |
|---|---|
| Batteries incorrectly installed or absent. | Check that the batteries are correctly installed. |

2. If the heart rate is higher/lower than user's average:

| POSSIBLE CAUSE | WHAT TO DO |
|---|---|
| Movement during measurement. | Repeat measurement. |
| Measurement taken just after exercise. | Rest at least 30 minutes before repeating measurement. |

3. If the result is higher/lower than user's average measurement:

| POSSIBLE CAUSE | WHAT TO DO |
|---|---|
| May not be in correct position while measuring. | Adjust to the correct position to measure. |
| Blood pressure naturally varies from time to time. | Keep in mind for next measurement. |

# DETAILED INFORMATION

## Reference Values

**Blood Glucose**

The meter provides you with plasma equivalent results.

| Time of day | Normal plasma glucose range for people **without** diabetes (mg/dL) |
|---|---|
| Fasting and before meal | Less than 100 mg/dL (5.6 mmol/L) |
| 2 hours after meals | Less than 140 mg/dL (7.8 mmol/L) |

**Source:** American Diabetes Association. Standards of Medical Care in Diabetes- 2018 Jan; 41(Supplement 1): S1-S2.

**Please consult your doctor to determine a target range that works best for you.**

**Blood Pressure**

Clinical studies show that adult diabetes is often accompanied by elevated blood pressure. People with diabetes can reduce their heart risk by managing their blood pressure along with diabetes treatment[*1].

Knowing your routine blood pressure trend tells whether your body is in good condition or not. Human blood pressure naturally increases after reaching middle age. This symptom is a result of continuous ageing of the blood vessels. Further causes include obesity, lack of exercise and cholesterol (LDL) adhering to the blood vessels. Rising blood pressure accelerates hardening of the arteries, and the body becomes more susceptible to apoplexy and coronary infarction.

Definitions and Classification of blood pressure levels according to 2007 ESH-ESC Practice Guidelines for the Management of Arterial Hypertension:

| Category | Systolic (mmHg) | | Diastolic (mmHg) |
|---|---|---|---|
| Optimal | < 120 | and | < 80 |
| Normal | 120–129 | and/or | 80–84 |
| High normal | 130–139 | and/or | 85–89 |
| Grade 1 hypertension | 140–159 | and/or | 90– 99 |
| Grade 2 hypertension | 160–179 | and/or | 100–109 |
| Grade 3 hypertension | ≥ 180 | and/or | ≥ 110 |
| Isolated systolic hypertension | ≥ 140 | and | < 90 |

Isolated systolic hypertension should be graded (1, 2, 3) according to systolic blood pressure values in the ranges indicated, provided that diastolic values are < 90mmHg.

**Source:** The European Society of Hypertension and European Society of Cardiology Task Force Members. 2007 ESH-ESC Practice Guidelines for the Management of Arterial Hypertension. J Hypertens 2007; 25: 1751-1762.

*1: American Diabetes Association: The Diabetes-Heart Disease Link Surveying Attitudes, Knowledge and Risk (2002)

# SYMBOL INFORMATION

| Symbol | Referent |
|---|---|
| IVD | *In vitro* diagnostic medical device |
|  | Consult instructions for use |
|  | Type BF equipment |
|  | Temperature limit |
|  | Use-by date |
| LOT | Batch code |
|  | Manufacturer |
| SN | Serial number |
|  | Caution |
| EC REP | Authorized representative in the European Community |
|  | Humidity limitation |
| CE 0123 | CE mark |
|  | This device does not belong to household waste and must be returned to a collection point for recycling electric and electronic devices according to local laws. If it contains batteries, the batteries should be removed and disposed in accordance with locations for separate collection of spent batteries. |
|  | Refer to instruction manual/ booklet<br>NOTE On ME EQUIPMENT "Follow instructions for use" |
| RoHS | RoHS Compliance |
|  | Biologocal hazard |

# SPECIFICATIONS

| System performance | |
|---|---|
| Power source: | One 3.6V rechargeable Li-ion battery |
| Size of monitor w/o cuff: | 147 (L) x 105 mm (W) x 80 mm (H), 460g with batteries |
| Memory: | Maximum 864 memory records |
| Power saving: | Automatic power off if system idle for 3 minutes (normal mode) or 5 minutes (PCL mode). |
| System operating condition: | 5°C to 40°C (41°F to 104°F), 15% to 93% RH, 700 hPa to 1060 hPa |
| Monitor Storage/ Transportation condition: | -25°C to 70°C (-13°F to 158°F), 10% to 95% RH |
| Power Supply Input: | DC +6V / 1A (max) via Power Plug |
| Operating Altitude: | Up to 2,000m, for indoor use |
| Degree of Pollution: | Pollution degree 2 |
| Expected service life: | 3 years |
| Data Transmission: | Bluetooth (TD-3261B) (Frequency:2.45GHz, Bandwidth :170MHZ, Modulation:GFSK, ERP:5.46 dBi) / 4G (TD-3261G) |

| Blood glucose measurement performance | |
|---|---|
| Measurement unit: | mg/dL or mmol/L |
| Linear range: | 20 to 600 mg/dL (1.1 to 33.3mmol/L) |
| Precision: | ±5 % (CV) |
| Accuracy: | ±15 mg/dL (0.83 mmol/L) when glucose < 100 mg/dL (5.5 mmol/L) |
| | ±15% when glucose ≥ 100 mg/dL (5.5 mmol/L) |
| Ketone warning: | glucose value is above 240 mg/dL (13.3 mmol/L) |

| Blood pressure measurement performance | |
|---|---|
| Heart rate range: | 30 - 199 beat per minute |
| Measurement unit: | mmHg |
| Systolic Measurement Range: | 60 mmHg - 250 mmHg |
| Diastolic Measurement Range: | 30 mmHg - 180 mmHg |
| Accuracy of Pressure: | ±3 mmHg |
| Accuracy of Pulse rate: | ±4% of reading |

This device has been tested to meet the electrical and safety requirements of: IEC/EN 60601-1, IEC/EN 60601-1-2, IEC/EN 61010-1, IEC/EN 61010-2-101, IEC/EN 61326-2-6, EN 301 489-17, EN 300 328.

Reference to Standards:

- EN 1060-1 / EN 1060-3, NIBP-requirements
- IEC 60601-1 General requirement for safety
- IEC 60601-1-2 Requirements for EMC
- EN 1060-4, NIBP clinical investigation
- AAMI/ANSI /IEC 80601-2-30, ANSI/AAMI/ISO 81060-2, NIBP requirements

**Warning:** Medical electrical equipment needs special precautions regarding EMC and needs to be installed according to the EMC information provided. Careful consideration of this information is essential when stacking or collocating equipment and when routing cables and accessories.

**Warning:** RF mobile communications equipment can effect medical electrical equipment.

| Manufacturer's declaration-electromagnetic emissions | | |
|---|---|---|
| The TD-3261G is intended for use in the electromagnetic environment (for home and professional healthcare) specified below.<br>The customer or the user of the TD-3261G should assure that it is used in such an environment. | | |
| **Emission test** | **Compliance** | **Electromagnetic environment-guidance (for home and professional healthcare environment)** |
| RF emissions<br>CISPR 11 | Group 1 | The TD-3261G uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment. |
| RF emissions<br>CISPR 11 | Class B | The TD-3261G 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<br>IEC 61000-3-2 | Class A | |
| Voltage fluctuations /flicker emissions<br>IEC 61000-3-3 | Compliance | |

**Manufacturer's declaration-electromagnetic immunity**

The TD-3261G is intended for use in the electromagnetic environment (for home and professional healthcare) specified below.

The customer or the user of the TD-3261G should assure that it is used in such an environment.

| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment-guidance (for home and professional healthcare environment) |
|---|---|---|---|
| Electrostatic discharge(ESD) IEC 61000-4-2 | Contact:±8 kV<br>Air±2 kV,±4 kV,±8 kV,±15 kV | Contact:±8 kV<br>Air±2 kV,±4 kV,±8 kV,±15 kV | Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30% |
| Electrical fast transient/burst IEC 61000-4-4 | ± 2kV for power supply lines<br>± 1kV for input/output lines | ± 2kV for power supply lines<br>Not applicable | Mains power quality should be that of a typical home healthcare environment. |
| Surge IEC 61000-4-5 | ± 0.5kV, ±1kV line(s) to line(s)<br>± 0.5kV, ±1kV,± 2kV line(s) to earth | ± 0.5kV, ±1kV line(s) to line(s)<br>Not applicable | Mains power quality should be that of a typical home healthcare environment. |
| Voltage Dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 | Voltage dips:<br>0 % $U_T$; 0,5 cycle<br>0 % $U_T$; 1 cycle<br>70 % $U_T$; 25/30 cycles<br><br>Voltage interruptions:<br>0 % $U_T$; 250/300 cycle | Voltage dips:<br>0 % $U_T$; 0,5 cycle<br>0 % $U_T$; 1 cycle<br>70 % $U_T$; 30 cycles<br><br>Voltage interruptions:<br>0 % $U_T$; 300 cycle | Mains power quality should be that of a typical home healthcare environment.<br>If the user of the TD-3261G requires continued operation during power mains interruptions, it is recommended that the TD-3261G be powered from an uninterruptible power supply or a battery. |
| Power frequency(50, 60 Hz) magnetic field IEC 61000-4-8 | 30 A/m<br>60 Hz | 30 A/m<br>60 Hz | The TD-3261G power frequency magnetic fields should be at levels characteristic of a typical location in a typical home healthcare environment. |

NOTE UT is the a.c. mains voltage prior to application of the test level.

**Manufacturer's declaration-electromagnetic immunity**

The TD-3261G is intended for use in the electromagnetic environment (for home and professional healthcare) specified below.

The customer or the user of the TD-3261G should assure that it is used in such and environment.

| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment-guidance (for home and professional healthcare environment) |
|---|---|---|---|
| Conducted RF<br>IEC 61000-4-6 | 3 Vrms:<br>0,15 MHz – 80 MHz<br>6 Vrms:<br>in ISM and amateur radio bands between 0,15 MHz and 80 MHz<br><br>80 % AM at 1 kHz | 3 Vrms:<br>0,15 MHz – 80 MHz<br>6 Vrms:<br>in ISM and amateur radio bands between 0,15 MHz and 80 MHz<br><br>80 % AM at 1 kHz | **Portable and mobile RF communications equipment should be used no closer to any part of the** TD-3261G including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. |
| Radiated RF<br>IEC 61000-4-3 | 10 V/m<br>80 MHz – 2,7 GHz<br>80 % AM at 1 kHz | 10 V/m<br>80 MHz – 2,7 GHz<br>80 % AM at 1 kHz | **Recommended separation distance:**<br>$d = 1,2 \sqrt{P}$<br>$d = 1,2 \sqrt{P}$ 80MHz to 800 MHz<br>$d = 2,3 \sqrt{P}$ 800MHz to 2,7 GHz<br>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).<br><br>Interference may occur in the vicinity of equipment marked with the following symbol:<br>  |

NOTE1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the TD-3261G is used exceeds the applicable RF compliance level above, the TD-3261G should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the TD-3261G.

b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

**Recommended separation distance between portable and mobile RF communications equipment and the TD-3261G**

The TD-3261G is intended for use in an electromagnetic environment (for home and professional healthcare) in which radiated RF disturbances are controlled. The customer or the user of the TD-3261G can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the TD-3261G as recommended below, according to the maximum output power of the communications equipment.

| **Rated maximum output power of transmitter** | **Separation distance according to frequency of transmitter m** | | |
|---|---|---|---|
| W | **150 kHz to 80 MHz** | **80 MHz to 800 MHz** | **800 MHz to 2,7 GHz** |
| | $d = 1{,}2\sqrt{P}$ | $d = 1{,}2\sqrt{P}$ | $d = 2{,}3\sqrt{P}$ |
| 0,01 | 0,12 | 0,12 | 0,23 |
| 0,1 | 0,38 | 0,38 | 0,73 |
| 1 | 1,2 | 1,2 | 2,3 |
| 10 | 3,8 | 3,8 | 7,3 |
| 100 | 12 | 12 | 23 |

For transmitters rated at a maximum output power not listed above, the recommended separation distance *d* in meters (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.

NOTE1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

## Manufacturer's declaration-electromagnetic immunity

### Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment

The TD-3261G is intended for use in the electromagnetic environment (for home and professional healthcare) specified below.

The customer or the user of the TD-3261G should assure that it is used in such an environment.

| **Test frequency** (MHz) | **Band** [a] (MHz) | **Service** [a] | **Modulation** [b] | **Maximum power** (W) | **Distance** (m) | **IMMUNITY TEST LEVEL** (V/m) | **Compliance LEVEL** (V/m) (for home and professional healthcare) |
|---|---|---|---|---|---|---|---|
| 385 | 380 –390 | TETRA 400 | Pulse modulation b) 18 Hz | 1,8 | 0,3 | 27 | 27 |
| 450 | 430 – 470 | GMRS 460, FRS 460 | FM c) ±5 kHz deviation 1 kHz sine | 2 | 0,3 | 28 | 28 |
| 710 | 704 – 787 | LTE Band 13, 17 | Pulse modulation b) 217 Hz | 0,2 | 0,3 | 9 | 9 |
| 745 | | | | | | | |
| 780 | | | | | | | |
| 810 | 800 – 960 | GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5 | Pulse modulation b) 18 Hz | 2 | 0,3 | 28 | 28 |
| 870 | | | | | | | |
| 930 | | | | | | | |
| 1 720 | 1 700 – 1 990 | GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS | Pulse modulation b) 217 Hz | 2 | 0,3 | 28 | 28 |
| 1 845 | | | | | | | |
| 1 970 | | | | | | | |
| 2 450 | 2 400 – 2 570 | Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7 | Pulse modulation b) 217 Hz | 2 | 0,3 | 28 | 28 |
| 5 240 | 5 100 – 5 800 | WLAN 802.11 a/n | Pulse modulation b) 217 Hz | 0,2 | 0,3 | 9 | 9 |
| 5 500 | | | | | | | |
| 5 785 | | | | | | | |

NOTE If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.

a) For some services, only the uplink frequencies are included.

b) The carrier shall be modulated using a 50 % duty cycle square wave signal.

c) As an alternative to FM modulation, 50 % pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.

**Federal Communications Commission (FCC) Statement**

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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 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.

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1) this device may not cause harmful interference and
2) this device must accept any interference received, including interference that may cause undesired operation of the device.

**Innovation, Science and Economic Development Canada (ISED) statement**

This Class B digital apparatus complies with Canadian ICES-003 and RSS-247.
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).
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.

Cet appareil numérique de classe B est conforme à la norme NMB-003 et RSS-247
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et, and
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

**FCC/IC RF Radiation Exposure Statement**

This equipment should be installed and operated with a minimum distance of 0 cm between the radiator and your extremity. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

SAR is measured with the device at 0 mm to the extremity, while transmitting at the highest certified output power level in all frequency bands of the device.

**Déclaration de FCC / IC sur l'exposition aux radiations RF**

Cet équipement doit être installé et utilisé avec une distance minimale de 0 cm entre le radiateur et votre extrémité. Cet appareil et son (ses) antenne (s) ne doivent pas être co-localisés ou utilisés conjointement avec une autre antenne ou un autre émetteur.
Le SAR est mesuré avec le périphérique à 0 mm de l'extrémité, tout en émettant au niveau de puissance de sortie certifié le plus élevé dans toutes les bandes de fréquences du périphérique.

**NCC Statement**

減少電磁波影響，請妥適使用

Support FDD LTE900/1800

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For self-testing

CE 0123 IVD