CLEVER CHEK
TD-3250

Version 2 2006/07/04

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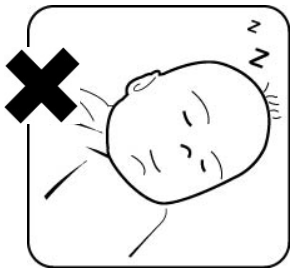
* Before testing, please read all instructions and practice the test.

* Be sure to keep this manual for future reference.

BEFORE YOU START

⦿ Warnings and Precautions



■ The CLEVER CHEK TD-3250 System is designed for use on individuals **age 16 and above**. It shall **NOT** be used:

1. to diagnose newborns with diabetes.
2. on infants or persons who cannot communicate.

■ This device does not serve as a cure of any symptoms or disease. The data measured are only for reference. Always consult your physician to have the results interpreted.

■ This device is not able to measure in the presence of common arrhythmia, such as arterial or ventricular premature beats or arterial fibrillation. It may produce reading error.

■ Use of the device near a mobile phone or microwave oven may cause inaccurate results.

■ Do not use the device for purposes other than measuring blood glucose and blood pressure for humanbeings.

■ Do not wrap the pressure cuff on anything besides your arm.

BEFORE YOU START

⦿ Intended Use

What it is:

The **CLEVER CHEK TD-3250** system is a 2 in 1 system designed to measure blood glucose outside of human body and to measure blood pressure non-invasively. The system performs **only one function** at a time to avoid any interference problems. The system consists of the **CLEVER CHEK TD-3250** monitor, test strips, and check & code strip. The system also comes with control solutions for quality control.

How it works:

Blood glucose is tested using an Amperometric Biosensor. Capillary action at the absorbent hole of the test strip draws a small amount of blood into the reaction chamber, and then the reading is displayed after 10 seconds.

Blood pressure is measured non-invasively at the upper arm based on the oscillometric method.

This user's manual contains important information that you must know about your system. Please read it carefully.
For other questions regarding this system, please contact:

U.S.A. representative
Chunming Shih
4331 Stevens Battle Lane,
Fairfax, VA 22033
Customer Care Line: (703) 591-4934
Hours of Operation: 9 am- 4 p.m. EST (14:00 - 21:00 GMT)
At all other times, you should contact your health care professional for assistance.

A warranty registration card is included with your system.
Please complete it and mail it to us; if you prefer to fill it out online, please visit http://www.taidoc.com

BEFORE YOU START

⦿ Health Information

Blood Glucose

Blood glucose monitoring plays an important role in diabetes control. A long-term study shows that keeping blood glucose levels close to normal can reduce the risk of diabetes complications by up to 60 %.*

The results you get with the **CLEVER CHEK TD-3250** can help you and your healthcare professional monitor and adjust your treatment plan to gain better control of your diabetes. The American Diabetes Association (ADA) recommends that you keep your blood sugar levels at:

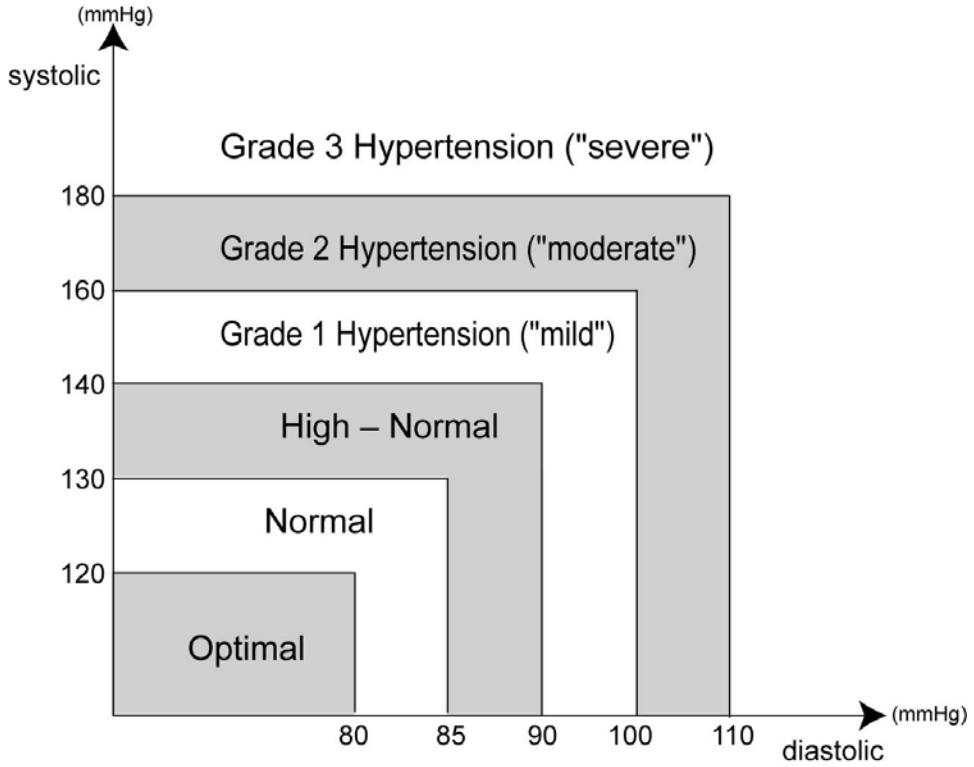
Time of day	ADA recommendation
Before meals	80-120 mg/dL / 4.5-6.7 mmol/L
1-2 hours after meals	Less than 180 mg/dL / 10 mmol/L
Bedtime	100-140 mg/dL / 5.6-7.8 mmol/L

Source: American Diabetes Association (2005). Standards of medical care in diabetes. Clinical Practice Recommendations 2005. Diabetes Care, 28(Suppl): S4–S36.

*Reference: American Diabetes Association: Position Statement on the Diabetes Control and Complications Trial (1993).

Blood Pressure

Clinical studies show that the 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*.
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 aging of the blood vessel. Further causes include obesity, lack of exercise, and cholesterol (LDL) adhering to the blood vessels. Rising of blood pressure accelerates hardening of the arteries, and the body becomes more susceptible to apoplexy and coronary infarction. The WHO (world health organization) published the guideline of blood pressure range:



Source: 1999 WHO/ISH guidelines for the management of hypertension

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

ABOUT THIS SYSTEM

◉ Content of the System

①	Blood glucose and blood pressure monitor	x1	⑥	Sterile lancets	X25
②	Pressure cuff	x1	⑦	Lancing device	x1
③	Test strip	X25	⑧	Quick guide	x1
④	Check & code strip	X1	⑨	User's manual	x1
⑤	Taidoc control solutions	X2	⑩	Sporty bag	x1

These products have been designed, tested, and proven to work together as a system to produce accurate blood glucose test results. Use only CLEVER CHEK TD-3250 test strips and control solution with your CLEVER CHEK TD-3250 Monitor.

Caution!

Check your system to be sure that it is unopened prior to use and that it contains all parts listed above. If either of these conditions occurred, please return your system to the place of purchase.

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ABOUT THIS SYSTEM

⦿ Device Overview

Three subtype of TD-3250 were developed and the difference of function among them is simply in **data transmission**.

Subtype of TD-3250	Data transmission function
TD-3250A	***No***, you can only view results on the monitor itself.
TD-3250B	***Yes***, you can view results on the PC through cable connection.
TD-3250C	***Yes***, you can view results on the PC through wireless connection using Bluetooth technology.

Five features are included in TD-3250:

Feature 1. **Blood glucose test**:

Test Slot is the ONLY place you need to use when testing blood glucose. For detailed procedures, please see page 20.

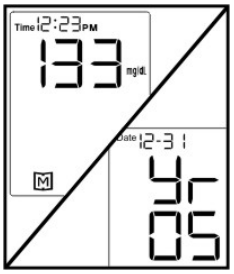
Note: If you try to measure blood pressure and press ⏻ button during blood glucose test, the monitor will turn off automatically with beeping sound.

Feature 2. Blood pressure test:

⏻ Button is the ONLY button you need when measuring blood pressure. For detailed procedures, please see page 32. This is also the main power button of this monitor. When the monitor is on, no matter what function it is in, pressing ⏻ Button will turn it off instantly.

Note: If you insert test strip during blood pressure test, there will be no action.

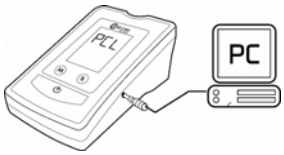
Feature 3. Memory recall



M Button helps you when you want to see previous data. For detailed procedures, please see page 37.

Feature 4. Monitor setting

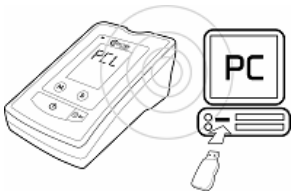
S Button helps you set up year, month, date, time, and units. For detailed procedures, please see page 18.



Feature 5. Cable connection

Data port is the unique part for model TD-3250B which is used to connect the monitor to the personal computer through RS232 cable for data transmission. For detailed procedures, please see page 38.

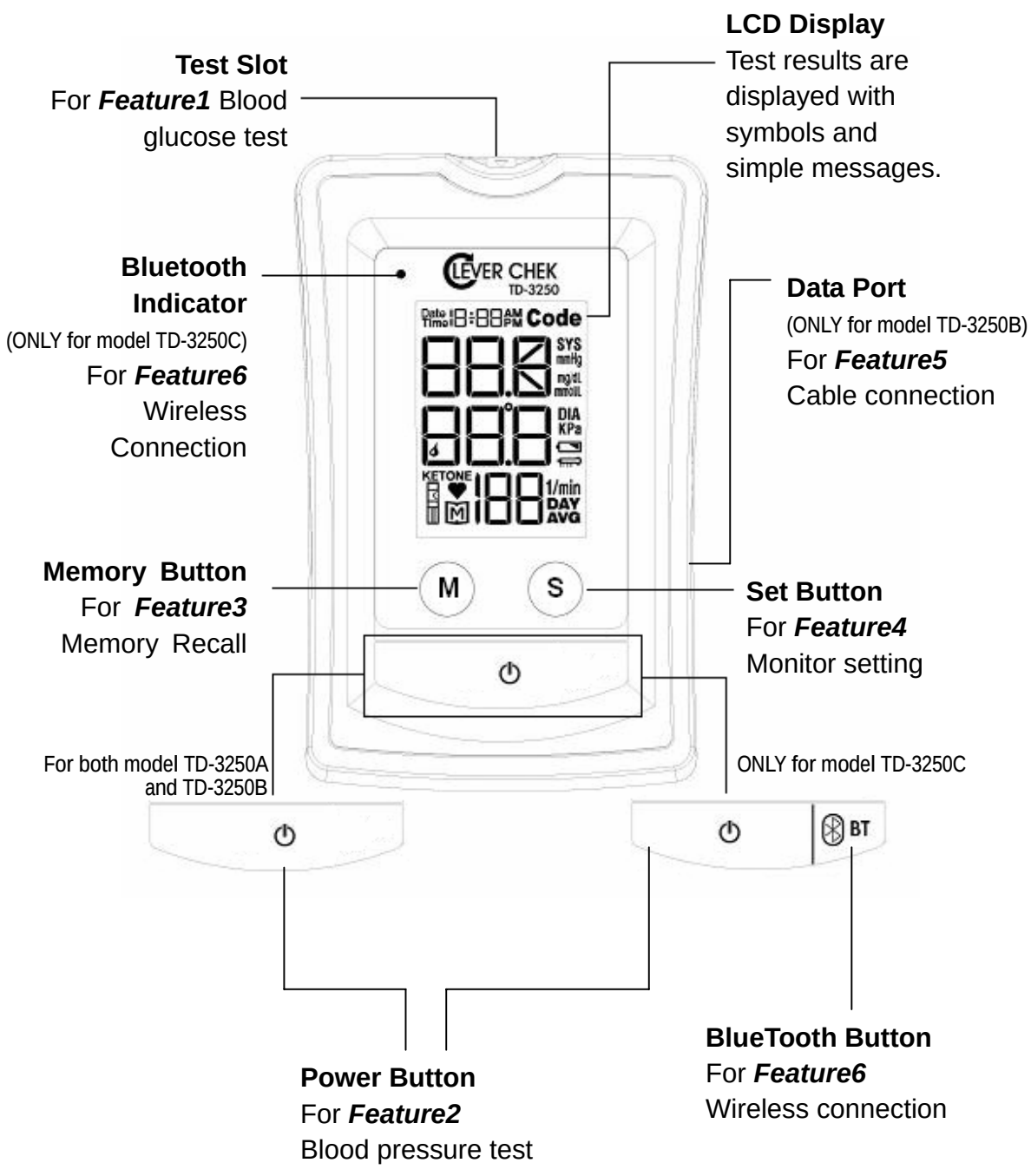
Feature 6. Wireless connection

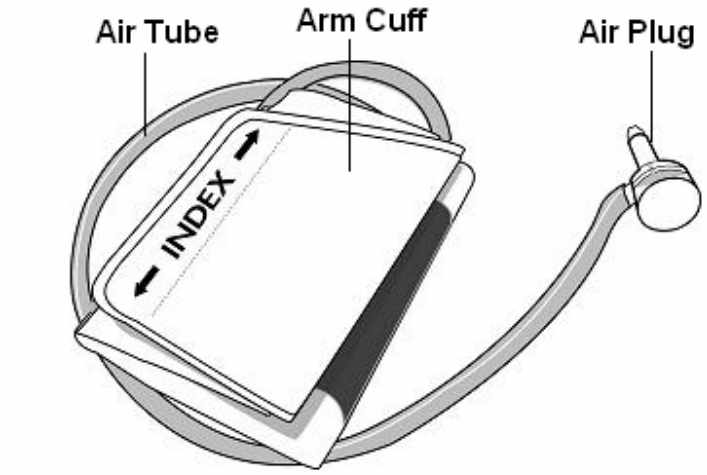


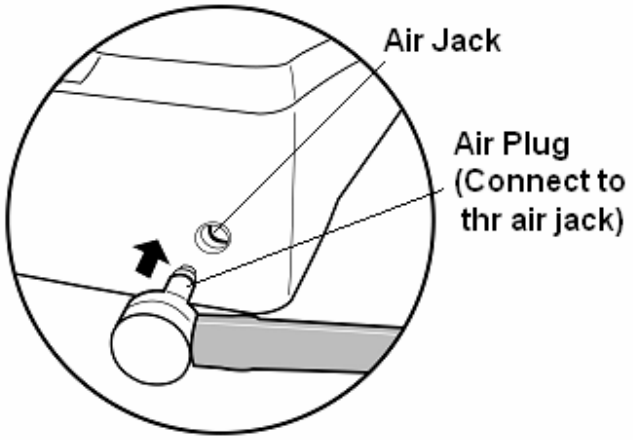
BT Button and **Bluetooth indicator**, only in model TD-3250C, assist you to transmit data wirelessly. For detailed procedures, please see page 38.

ABOUT THIS SYSTEM

⦿ Button Function & Pressure Cuff

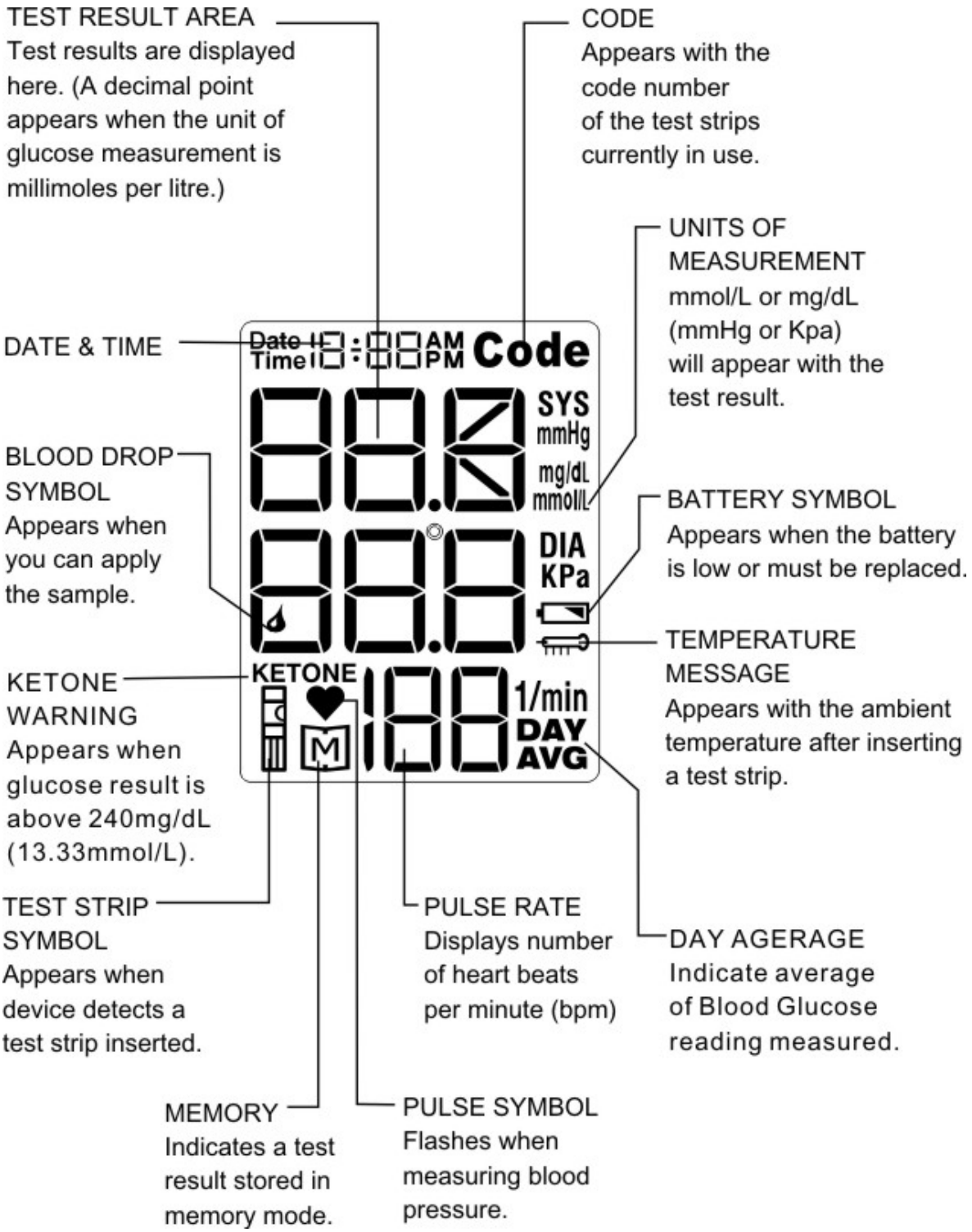



Air Tube
Arm Cuff
Air Plug
INDEX


Air Jack
Air Plug
(Connect to
thr air jack)

ABOUT THIS SYSTEM

⦿ LCD Display Description

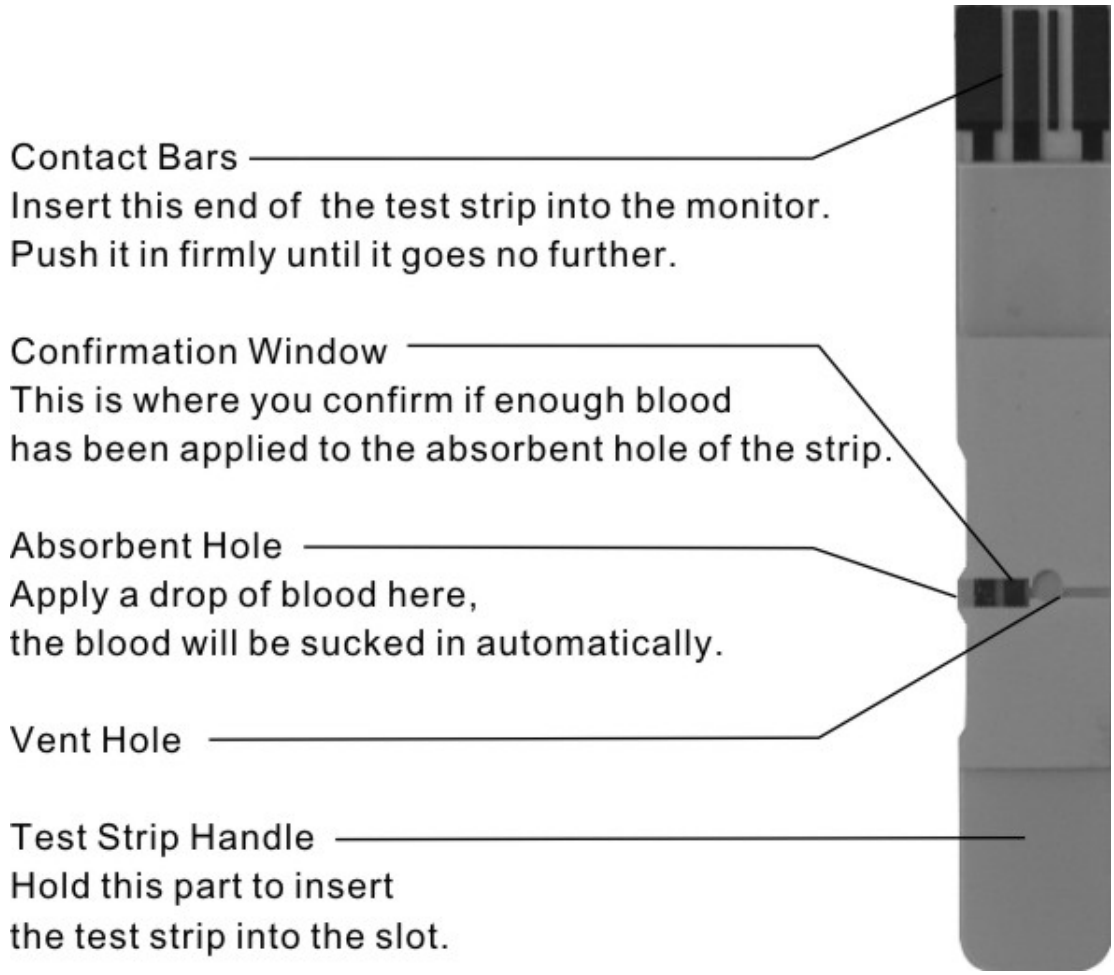


ABOUT THIS SYSTEM

⦿ Test Strip Description

Your system measures the amount of sugar (glucose) in whole blood. Blood is applied to the absorbent hole of the test strip and is automatically drawn into the reaction chamber where the reaction takes place.

The test strip consists of the following parts:



Important usage information

When you get a new vial of test strips:

- Check the expiry date on the vial. Do not use test strips beyond the expiry date since they may cause inaccurate results.
- Write the discard date on the vial when you first open it.

When you use a test strip:

- Touch the test strip with clean and dry hands.
- Tightly close the vial cap immediately after removing a test strip.
- Use each test strip immediately after removing it from the vial.
- Do not bend, cut or alter a test strip in any way.
- Apply only blood sample to the absorbent hole. Applying other substances to the absorbent hole will cause inaccurate results.

When you store your test strips:

- Store your test strips in their original vial only; **do not** transfer them to a new bottle or any other container.
- Store test strip packages in a cool and dry place between 4 °C (39°F) and 40°C (104°F). Keep away from direct sunlight and heat.
- Discard remaining test strips and the vial three months after first opening date.

Warning!

Keep the test strip vial away from children. The cap is a choking hazard. The vial contains a pouch filled with drying agents that may be harmful if inhaled or swallowed and may cause skin or eye irritation.

PREPARATIONS BEFORE USE

⦿ Battery Installation and Replacement

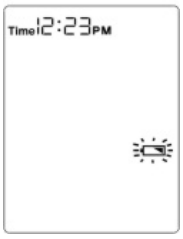
Your monitor comes with batteries already installed.
When replacing, use ONLY 1.5V AA size alkaline batteries for best performance and longest life.

Low Power Signal

The monitor will remind you when the power is getting low by displaying two different messages:

(Fig. 1)

1. Battery Symbol appears while you perform tests. (Fig. 1) This means it is about time to change the batteries although still 30 more measurements can be made.

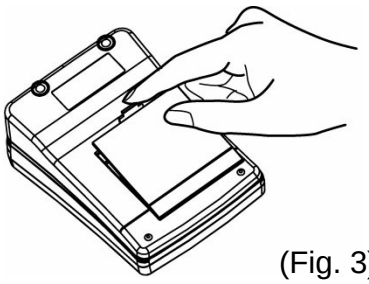


(Fig. 2)

2. Battery Symbol flashes by itself and the monitor cannot perform any measurement.
(Fig. 2) This means you must change the batteries before making any measurements.

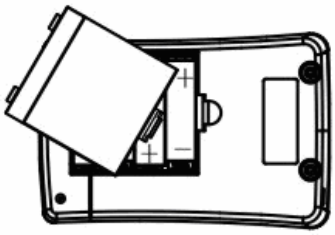
Battery Replacement

To replace the batteries, make sure the monitor is turned off.



(Fig. 3)

Step1- Press the edge of the battery cover and pull up. (Fig. 3) Lift the battery cover and remove the batteries inside.



(Fig. 4)

Step2- Insert four 1.5V AA size alkaline batteries. Make sure the + (positive) and –(negative) marks match as indicated in the battery compartment. (Fig. 4) If inserted correctly, you will hear a "beep".

Caution!

- Do not use different type, date or brand name batteries together. Use only new batteries of the required size and type.
- Replacing the batteries does not affect previous test results stored in the monitor. But you may need to update the settings.
- Batteries might leak chemicals if not used for a long time. Remove the batteries if you are not going to use the device for an extended period (i.e., 3 months or more).

PREPARATIONS BEFORE USE

⦿ Setting the Monitor

Your monitor comes with the time, date, and units preset. These options may be changed any time to fit your needs. They also need to be set again when you change the batteries.

How to set the monitor?

Step 1- Start with the meter turned off.
Press the "S" button to enter the Setting Mode.

Step 2- Select and make changes.
Press the "S" button to select what you would like to change. The selected one will be flashing. Press the "M" button to make the change.

Step 3- Save the Changes.
Press the "S" Button to save the changes you made and move on to next step.

Let's see the year setting for example:

(Fig. 5)

1. Press "S" button and the year will appear first, with the number flashing. (Fig. 5)
2. Press and release the M button to advance one **year.**
To move the number faster, hold the M button down.

(Fig. 6)

3. Press the Set button and the year will be set. At the same time, the date will appear on the display with the month segment flashing. (Fig. 6)

Set the month, day, hour, minute, and units in the same way.

While setting is completed

After choosing the units of glucose measurement, press “S” Button to save the settings and turn off the monitor. (Fig. 7)

(Fig. 7)

You may also press the ⏻ button any time to turn off the monitor and exit the Setting Mode.

HOW TO MEASURE BLOOD GLUCOSE

Is your monitor all set?

- Refer to page 16 to replace the batteries and set the monitor.
- Refer to page 22 to code the monitor.

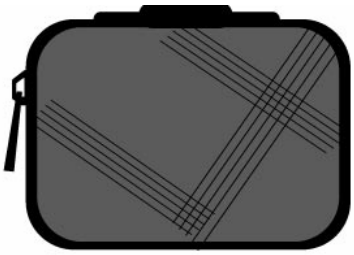
Measure blood glucose.

- Refer to page 27 to get a drop of blood.
- Refer to page 29 to take a reading.

Turn the monitor off by removing the test strip.

And then you can:

- Check the memory (refer to page 37).
- Perform blood pressure test (refer to page 32).



Store your monitor carefully.

Refer to page 39 for how to take care of your monitor.

HOW TO MEASURE BLOOD GLUCOSE

⦿ Important Information and Possible Interferences

Important Information:

- Test results below 3.3mmol/L (60mg/dL) indicate hypoglycemia, which means abnormally low glucose level. If higher than 13.3mmol/L (240 mg/dL), symptoms of hyperglycemia might occur. Consult your physician when a result above occurs.
- If you have symptoms that are not consistent with your blood glucose or pressure level **AND** you have followed all instructions described in the user's manual, contact your healthcare professional.

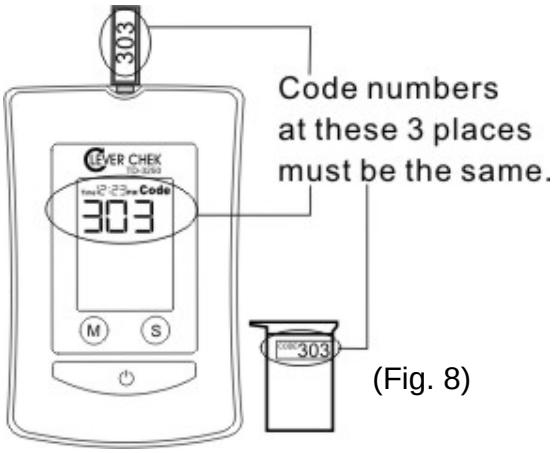
Possible interferences:

- Severe dehydration and excessive water loss may cause false low results.
- A red blood cell percentage (hematocrit) that is extremely high (above 60%) or low (less than 20%) may cause false results.
- Elevated blood triglyceride, reducing substances such as uric acid and ascorbic acid at normal blood concentration, or acetaminophen, dopa, methyldopa, L-dopa, and tolbutamide at normal blood concentrations do not significantly affect the test results.

HOW TO MEASURE BLOOD GLUCOSE

⦿ Coding the Monitor

You must code the monitor every time you begin to use a new vial of test strips. Test results may be inaccurate if the code number displayed on the monitor does not match the number printed on the strip vial.



(Fig. 8)

Step 1- Insert the check & code strip when the monitor is off. Wait until the code number appears on the LCD display. (Fig 8)

Make sure the code number on LCD display, on check & code strip, and on strip vial are the same.

Step 2- Remove the check & code strip, the LCD display will show “OK”. This tells you that the monitor has finished coding and is ready for blood glucose testing.

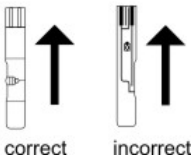
HOW TO MEASURE BLOOD GLUCOSE

⦿ Checking the Code

When you start measuring blood glucose, check the code number first.

Step1- With the monitor off, insert a test strip into the Test Slot. Make sure you insert the end with the contact bars first and facing up. Contact bars must be inserted all the way into the monitor for an accurate result. (Fig. 9)

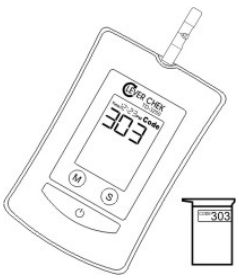
(Fig. 9)



(Fig. 10)

(Fig. 11)

Step2- The monitor will display “CHK” and the strip symbol. (Fig. 10) In about 1 second, the ambient temperature will be shown (Fig. 11).



(Fig.12)

Step3- Then the code number and flashing blood drop appears. Check if the number shown on the monitor matches the number on the test strip vial. (Fig. 12) If it matches, you can proceed with your test.

If it does not match, please code the monitor as described in previous page.

HOW TO MEASURE BLOOD GLUCOSE

⦿ Testing with Control Solution

What is a control solution test?

The control solution contains a known amount of glucose that reacts with test strips. Compare your control solution test results with the expected range printed on the test strip vial label. This enables you to check if the monitor and the test strips are working together properly, and that you are performing the test correctly.

Therefore, before testing your blood glucose for the first time, practice the procedure using control solution. When you can do three tests in a row that are within the expected range, you are ready to test your blood sugar.

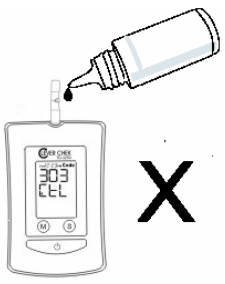
Please note that the control solution range printed on the test strip vial is for TaiDoc Control Solution only. It is used to test the monitor and test strip performance. It is not a recommended range for your blood glucose level.

When should I do a control solution test?

- When you begin using a new vial of test strips.
- If you drop the monitor.
- When your blood glucose test results are not consistent with how you feel, or when you think your results are not accurate.

Important usage information

- Use only TaiDoc Control Solution to check system performance.
- Tightly close the control solution and store below 30°C (86°F).
- Control solution, monitor, and test strips should be at room temperature (20-25 °C /68-77 °F) before testing.

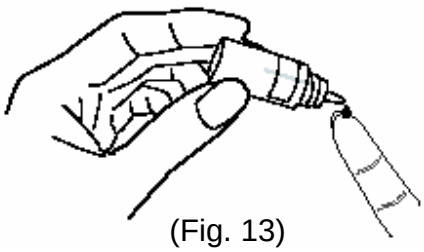


- Use a period of 30 days from the date that you first open it. Also check the expiration date on the control solution vial. Do not use if expired.
- Do not directly apply solution to the test strip. Place a drop of control solution on a clean surface or on your fingertip instead to avoid contamination.

How to do a control solution test?

Step 1- Insert a test strip and check if the code number shown on LCD display is the same as the code on the strip bottle.

Step 2- Press the M Button. The symbol "CtL" will appear on the display. When you do this, control solution readings will not be stored in the memory.



(Fig. 13)

Step 3- Get a drop of control solution:
1. Shake the control solution vial well.
2. Remove the cap. Squeeze the vial and discard the first drop with a clean tissue to ensure an accurate result.
3. Squeeze the vial again to get a hanging drop and place the drop on your fingertip. (Fig.13)

(Fig. 14)

Step 4- Apply the drop to the absorbent hole of the test strip until the drop is drawn into the test strip, and the confirmation window is filled. (Fig. 14)

Step 5- The monitor will begin countdown. After 10 seconds, the control solution test result will appear. **The result should fall within the range printed on the test strip vial.**

What to do if out-of-range results appear?

If test results fall outside the range printed on the test strip vial, repeat the test. Out-of-range results may be caused by one or more of the following:

- Error in performing the test.
- Not shaking the control solution vial vigorously.
- Control solution too warm or too cold.
- Expired or contaminated control solution.
- Improper coding of the monitor.
- Test strip deterioration.
- Monitor malfunction.

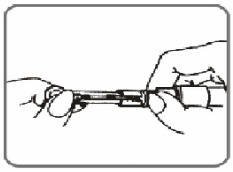
If you continue to get out-of-range results, the system may not be working properly. Do not use the monitor to test your blood glucose in this condition. **Please contact your local customer service for help.**

HOW TO MEASURE BLOOD GLUCOSE

⦿ Getting a Drop of Blood

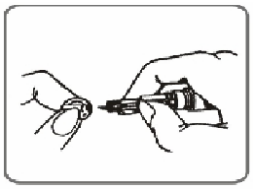
Be sure to read this section and the test strip package insert found in the test strip box carefully before testing. Make sure you have all items needed to test: monitor, test strips, lancing device, and sterile lancet.

Step 1- Insert a lancet in the adjustable lancing device.



(Fig. 15)

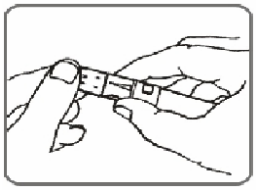
- Twist and remove the cap of lancing device.
- Insert a lancet into the lancet holder and push down firmly until it is fully seated. (Fig. 15)



(Fig. 16)

- Twist the protective disk until it separates from the lancet. (Fig. 16)
- Replace the lancing device cap until it is snug but not too tight.

Step 2- Select the depth of puncture.

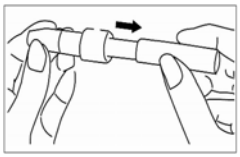


(Fig. 17)

- Twist the adjustable tip in either direction to select the depth of puncture. (Fig. 17)

Five levels of depth were offered:
1-2 for soft or thin skin, 3 for average skin, and 4-5 for thick or calloused skin. Please select the most suitable depth for you to avoid unnecessary pain.

Step 3- Set the ejection control.



(Fig. 18)

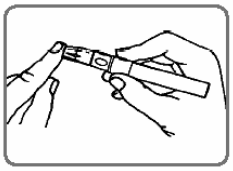
- Slide the ejection/cocking control back until it clicks. (Fig. 18)

If it does not click, the lancing device may have been cocked when the lancet was inserted.

Step 4- Wash your hands.

Use warm and soapy water to wash your hands. Rinse and dry thoroughly. Clean the puncture site with 70% alcohol cotton and **leave it dry completely**.

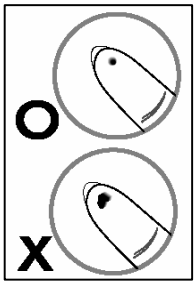
Step 5- Select a puncture site on fingertip.



(Fig. 19)

Hold the lancing device firmly against the side of your finger. (Fig. 19) Press the release button. You will hear a click, indicating that puncture is complete.

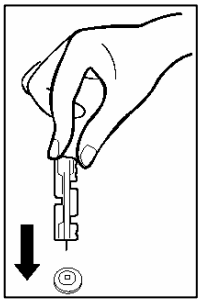
Step 6- Obtain the required blood sample (1.8 microlitre in volume).



(Fig. 20)

Gently massage the chosen area to get enough blood. Do not smear the blood sample. (Fig. 20) Proceed with your Blood glucose test.

Step 7- Discard the lancet.



Always use caution when removing the lancet.

- Remove the cap of lancing device.
- Place the protective disk on a hard surface and push the exposed tip into the protective disk.
- Take it out carefully and place it into a container for sharp objects.

WARNING!

1. To reduce the chance of infection:
- Never share a lancet with anyone.
- Always use a new, sterile lancet. Lancets are for single use only.
- Avoid getting lotion, oil, dirt, or debris in or on the lancets and the sampler.

2. Choose a different spot each time you test. Repeated puncture in the same spot may cause soreness and calluses.

HOW TO MEASURE BLOOD GLUCOSE

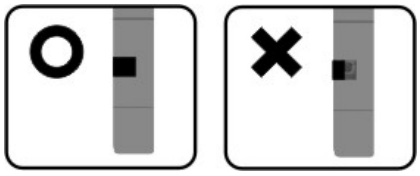
⊙ Taking a Reading

Step 1- Insert a test strip and check if the code number shown on LCD display is the same as the code on the strip vial. If not, please refer to “Coding the monitor”.

(Fig. 21)

Step 2- Obtain a drop of blood as described in “Getting a Drop of Blood”.

Step 3- When the “🩸“ symbol is flashing on the LCD display, apply the drop of blood to the absorbent hole of the test strip. (Fig. 21) Do not push your finger against the test strip or try to apply a smeared sample.



(Fig. 22)

Step 4- Make sure the blood sample completely cover the confirmation window before moving your finger away from the strip. (Fig 22) If the confirmation window is not filled completely, do not add more blood to the test strip. Discard the test strip and retest.

(Fig. 23)

Step 5- Read result after 10 seconds. (Fig 23) The test result will be automatically stored in the monitor memory. Turn the monitor off by removing the test strip.

Ketone Warning:

When your test reading is ≧240 mg/dL(13.3 mmol/dL), “**KETONE**" will appear on the LCD display.

Ketone is a byproduct produced as the body burns fat for energy when there isn't enough insulin present for the metabolism of glucose. Ketone accumulation in the blood may lead to a dangerous condition known as diabetic ketoacidosis (DKA).

High blood glucose is a symptom of insufficient insulin for people with type 1 diabetes. If you are type 1 diabetes, please beware of high ketone when your blood glucose is too high.

When "**KETONE**" appears, please test again. If continually appears, please consult your physician.

CAUTION!

1. If you do not apply blood sample within 3 minutes, or if you accidentally turn off the monitor by pressing the ⏻ button, the monitor will alert you with flashing test strip symbol and continuous beeping. You will need to turn the monitor off by removing the test strip.
2. To start a blood pressure test after performing a blood glucose test, make sure that the test strip is removed from the monitor. Then turn the monitor off and refer to "MEASURE BLOOD PRESSURE".

HOW TO MEASURE BLOOD GLUCOSE

⦿ Comparing With Laboratory Results

Results obtained from your monitor may differ somewhat from your laboratory result due to normal variation. Monitor results can be affected by factors and conditions that do not affect laboratory results in the same way.

Blood glucose levels can change significantly over short periods, especially if you have recently exercised, eaten, taken medication, or experienced stress. The glucose level of blood from fingertip would be higher than blood from a vein (venous sample) used in lab tests if you have eaten recently. The difference can be as high as 3.9 mmol/L (70 mg/dL). Therefore, it is best to **fast for eight hours** before doing comparison tests.

Before you go to the lab:

- Perform a control solution test to make sure that the monitor is working properly.
- It is best to fast for eight hours before comparison test. Take your monitor with you to the lab.

While at the lab:

- Make sure that the samples for both tests (the monitor test and the lab test) are taken and tested within 15 minutes of each other.
- Wash your hands before obtaining a blood sample.
- For the monitor test, use fresh blood from the fingertip only.
- Never use your monitor with blood that has been collected in a gray-cap test tube.
- Factors such as irregular amount of red blood cells in the blood (a high or low hematocrit) or loss of body fluid (severe dehydration) may also cause differences between the monitor result and the laboratory result.

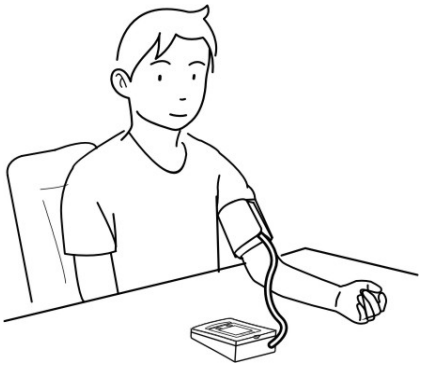
References

1. Surwit, R.S., and Feinglos, M.N.: Diabetes Forecast (1988), April, 49-51
2. Sacks, DB: "Carbohydrates." Burtis, CA, and Ashwood, ER (ed.), Tietz Textbook of Clinical Chemistry. Philadelphia: WB Saunders Company (1994)

HOW TO MEASURE BLOOD PRESSURE

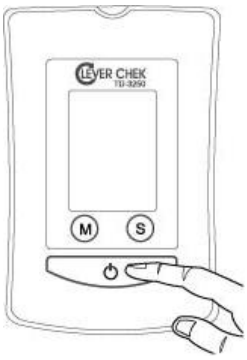
Is your monitor all set?

Refer to page 16 to replace the batteries and set the monitor.



Measure blood pressure.

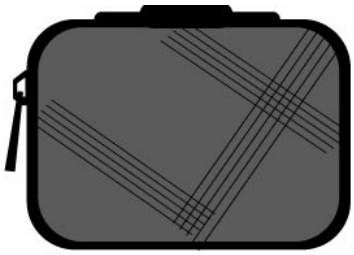
- Refer to page 34 for applying the pressure cuff.
- Refer to page 35 for proper measurement position.
- Refer to page 36 for taking a reading



Turn the monitor off by pressing the ⏻ button.

And then you can:

- Check the memory (refer to page 37)
- Perform blood glucose test (refer to page 20)



Store your monitor carefully.

Refer to page 39 for how to take care of your monitor.

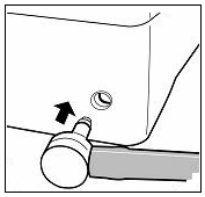
HOW TO MEASURE BLOOD PRESSURE

◉ Suggestions before Measuring

- Avoid caffeine, tea, alcohol, and cigarette 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 measuring.
- 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 physician as reference.
- Blood pressure varies from two hands naturally. Always measure your blood pressure on the same arm.

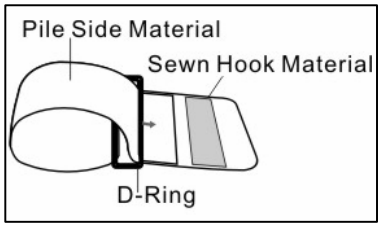
HOW TO MEASURE BLOOD PRESSURE

◉ Applying the Pressure Cuff



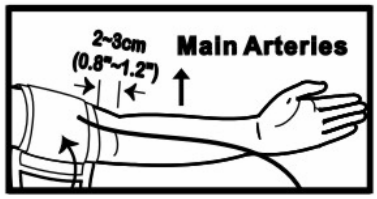
(Fig. 24)

Step 1- Connect the air plug of the tubing to the air jack at the side of the monitor. (Fig.24)



(Fig. 25)

Step 2- Assemble the cuff as Figure 25. The smooth cloth is on the inside of the cuff loop and the metal D-ring will not touch your skin.



(Fig. 26)

Step 3- Hold your left arm in front of you with your palm facing up. Slide the cuff onto your left arm, above your elbow. The red line on the edge of the cuff should be approximately 0.8 to 1.2 inch (2 cm to 3 cm) above your elbow. Align the tubing over the main arteries at the inside of your arm. (Fig. 26)

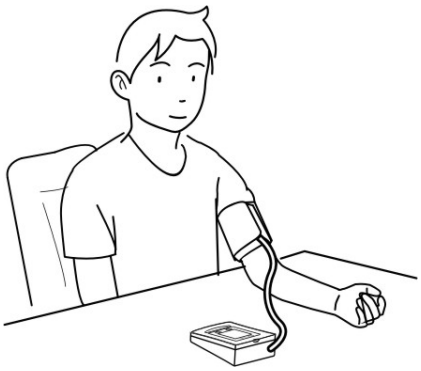
Step 4- When the cuff is positioned correctly, pull the end of the cuff to tighten the cuff snugly around your upper arm. You should be able to fit your index finger between the cuff and your arm.

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.

HOW TO MEASURE BLOOD PRESSURE

◉ Proper Measurement Position

Please sit and take a rest at least 10 minutes before measuring.



(Fig. 27)

Step1- Place your elbow on a table or other object. Relax your hand with the palm facing up. (Fig 27)

Step2- Relax and make sure the cuff is at the same height as your heart. Press the ⏻ button. Remain still and do not talk or move during the measurement.

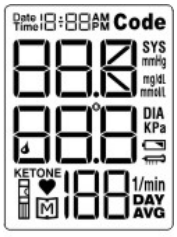
WARINING!

It is extremely important that the cuff is at the same level of the heart. If the cuff is relatively lower (higher) than the heart, the blood pressure measured will be higher (lower) than the actual value. A 15cm difference in height may result in an error of 10 mmHg

HOW TO MEASURE BLOOD PRESSURE

◉ Taking a Reading

Read "Suggestions before Measuring" and "Applying the Pressure Cuff" before taking a reading. **Always apply the pressure cuff before turning on the device.**



(Fig. 28)

Step 1- Press the ⏻ button. All the LCD display symbols will appear with a long “beep” sound (Fig. 28). Then cuff begins to inflate automatically.

(Fig. 29)

Step 2- After the cuff pressure is reached, the cuff begins to deflate. When detecting pulse, the Pulse Symbol “♥” will flash, along with a beeping sound during measurement. (Fig. 29)

Note: If a higher pressure value is needed, the monitor will stop deflation and inflate again.

(Fig. 30)

Step 3- After the measurement, the monitor displays the systolic pressure, diastolic pressure, and heart rate. (Fig. 30)

Step 4- Press ⏻ button to switch off. Or it will switch off automatically after three minutes.

Note:

If you press the ⏻ button during the measurement, the monitor will turn off.

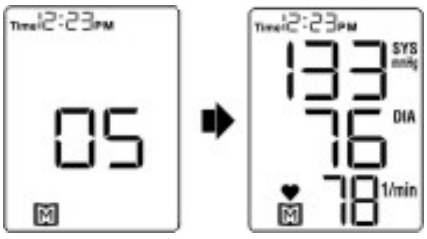
HOW TO USE THE MEMORY FEATURES

⦿ Viewing Memory in the Monitor

Your monitor stores the most 352 recent results of blood glucose and pressure with date and time in its memory. You can review the test results in memory with these easy steps.

(Fig. 31)

Step 1- When the monitor is off, press the M Button once. You will see the average of the blood glucose results. (Fig. 31)

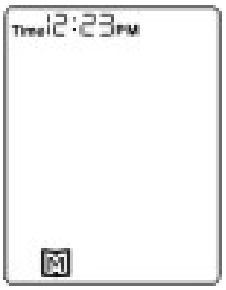


(Fig. 32)

Step 2- Press M Button again to recall the readings measured previously. The other results will be displayed in the order of time and date taken. You will see the number of the result stored, followed by the result. (Fig. 32) When the memory is full, the oldest results are deleted as new ones are added.

Step 3- Press the ⏻ button to turn off the monitor and exit the memory mode,.

Using the monitor for the first time



When using the monitor for the first time, or when there are no test results in memory, you will only see flashing " M ". This means that there are no test results in memory. (Fig. 33)

(Fig. 33)

HOW TO USE THE MEMORY FEATURES

⦿ Viewing Results on a Personal Computer

Results in memory can be transmitted to the personal computer either by cable or by wireless connection for model TD-3250B or TD-3250C, respectively. Accessories needed to activate this function are:

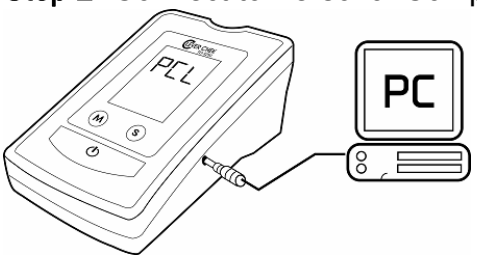
- Health Management Software: is able to download from Taidoc website.
- Interface Cable: an optional accessory for model TD-3250B.
- Bluetooth Adapter: an optional accessory for model TD-3250C.

Please contact your local customer service for above accessories.

Transmitting data via cable (TD-3250B)

Step1- Install Health Management Software on your computer by following the instructions provided on Taidoc's website: http://www.taidoc.com.

Step 2- Connect to Personal Computer with interface cable



When the monitor is off, connect the serial Port of PC with the Data Port of monitor by interface cable. Then "**PCL**" will appear in the monitor, indicating it is ready to transmit data. Follow the instructions provided in the Health Management Software to download the data. Results transmitted will include date and time, and you can view and analyze the data easily.

Transmitting data via Bluetooth adapter (TD-3250C)

Step 1- Install Bluetooth Adapter Software

Step 2- Reset TD-3250C monitor

Step 3- Register TD-3250C

Step 4- Install Health Management Software on your computer by following the instructions provided on Taidoc's website: http://www.taidoc.com.

Step 5- Connect TD-3250C with PC and view your data.

Please refer to the additional package insert *"**How to Start Wireless Communication of TD-3250C Blood Glucose plus Blood Pressure (BGBP) Monitor**"* for detail information.

HOW TO USE THE MEMORY FEATURES

⦿ Deleting Memory

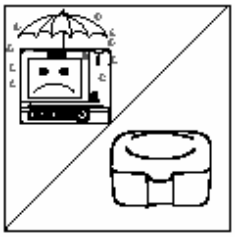
To clear the memory, with the monitor turned off, press and hold the M Button for 3 seconds. “CLr/ALL” then appears and indicate that **ALL** the memories stored in the monitor will be cleared.

HOW TO TAKE CARE OF YOUR MONITOR

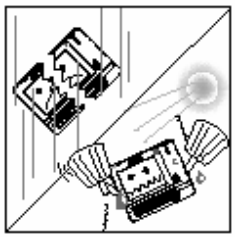
⊙ Cleaning

- To clean the monitor exterior, wipe with a cloth moistened with tap water or a mild cleaning agent, then dry the device with a soft and dry cloth. Do not flush with water.
- Do not use organic solvents to clean the monitor and cuff.
- The cuff can be cleaned by wiping with a moistened cloth and soap. Do not immerse in water.

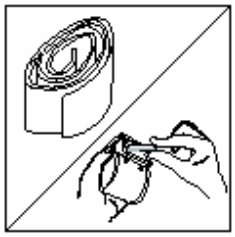
⊙ Storage



- Storage conditions: -20°C-60°C, 10%-95% relative humidity.
- Always use the storage box provided with the monitor to transport or store it.



- Avoid dropping and strong impact.
- Avoid direct sunlight and humidity.
- Do not disassemble, modify or try to repair the monitor or wrist cuff by yourself.



- Do not over-wring the cuff and turn the cuff inside out.
- If you are not going to use the monitor for an extended period, please remove the batteries.

ERROR MESSAGE

Please check the chart below for problems you can fix at home without tools. If you follow “What to Do” but the problem still exists, please contact Customer Care Line: (703) 591-4934 for help.

<table>
<tr><th>Message</th><th>Cause</th><th>What to Do</th></tr>
<tr><td>Err.00</td><td>Weak pulse.</td><td rowspan="3">Refit cuff tightly, relax, and repeat measurement as shown in "Applying the Pressure Cuff".</td></tr>
<tr><td>Err.02</td><td>Monitor can not figure out systolic pressure.</td></tr>
<tr><td>Err.04</td><td>Monitor can not figure out diastolic pressure or it is out of range.</td></tr>
<tr><td>Err.22</td><td>Invalid coding.</td><td>Try a new check & code strip and insert again.</td></tr>
<tr><td>Err.24</td><td>Used strip insertion.</td><td>Use a new strip.</td></tr>
<tr><td>Err.25</td><td>Ambient temperature is below operating temperature.</td><td rowspan="2">Please operate this monitor between 10℃-40℃</td></tr>
<tr><td>Err.26</td><td>Ambient temperature is over operating temperature.</td></tr>
<tr><td>Lo</td><td>Blood glucose value lower than 20 mg/dL</td><td rowspan="2">Follow directions in “Measure Blood Glucose” and test again. Please seek immediate medical assistance.</td></tr>
<tr><td>Hi</td><td>Blood glucose value higher than 600 mg/dL</td></tr>
<tr><td>Err.05
Err.06
Err.09
Err.10
Err.11
Err.15
Err.20
Err.28</td><td colspan="2">Those messages indicate internal problems with the monitor. You cannot fix by yourself.
Please contact Customer Care Line: (703) 591-4934 for help.</td></tr>
</table>

TROUBLESHOOTING

Please check the chart below for problems you may encounter during measurement and what to do. **If you follow "What to Do" but the problem still exists, please contact Customer Care Line: (703) 591-4934 for help.**

Blood Glucose Function

■ If no message appears after inserting a test strip:

POSSIBLE CAUSE	WHAT TO DO
Batteries exhausted.	Replace the batteries.
Batteries incorrectly installed or absent.	Check that the batteries are correctly installed.
Test strip inserted upside down or not completely inserted.	Insert the test strip correctly With the contact bars end first and facing up.
Defective monitor.	Please contact your local customer service for help.

■ If the test does not start after applying the sample:

POSSIBLE CAUSE	WHAT TO DO
Insufficient blood sample.	Repeat the test with a new test strip and a larger sample.
Defective test strip.	Repeat the test with a new test strip.
Defective monitor.	Please contact your local customer service for help.

■ If you accidentally touch the ⏻ button during glucose measurement, or if you do not apply a drop of blood in 3 minutes, the monitor will turn off with a beeping sound. Please remove the strip from the slot.

■ If you remove the strip form the slot before the monitor finishes count down, the result will not be accurate. Please use a new strip to test again.

Blood Pressure Function

Condition	Cause	What to do
No display after pushing the ⏻ button.	Batteries incorrectly installed or absent.	Insert the batteries in the correct position.
	Batteries exhausted.	Replace the batteries.
Battery symbol appears on LCD.	Batteries exhausted.	Replace the batteries.
	Batteries might perform poorly at low temperatures.	Warm up the batteries, or place at a warm place for a while, then test again
Heart rate higher/lower than user's average.	Moving during measurement.	Repeat measurement.
	Measuring right after exercise.	Rest at least 30 minutes before measurement.
Result higher or lower than user's average measurement.	May be not in correct position during measuring.	Adjust to a correct position to measure.
	Blood pressure naturally varies from time to time.	Keep in mind for next measurement.
Cuff inflates again during measuring.	Normal action, if user's blood pressure is higher than the initial pressure value, the device would automatically pump to a higher pressure by 20 mmHg each time of inflation until it reaches a suitable pressure.	
	Cuff is not fastened.	Fasten the cuff again.
Power goes off when not used for a while.	This feature is built into the system.	Push the ⏻ button again.

SPECIFICATIONS

■ System performance

Power source:	Four 1.5V alkaline AA batteries
Size of monitor w/o cuff:	137mm (L) x 90 mm (W) x 54 mm (H)
Memory:	352 measurement results with date& time
Power saving:	Automatic power off if idle for 3 minutes
System operating condition:	10℃-40℃ (50-104℉), below 85% RH
System storage condition:	4℃ to 40℃ (39-104℉), below 85% RH
Bluetooth Carrier Frequency	2400MHz to 2483.5MHz
Bluetooth Modulation Method	GFSK,1Mbps,0.5BT Gaussian
Maximum Data Rate	Asynchronous:723.2kbps/57.6kbps Synchronous:433.9kbps/433.9kbps
Transmission Power	+3dBm to –20dBm; Power control 4 stage
Receiving Signal Range	-88dBm to -20 dBm
Receiver IF Frequency	1.5MHz center frequency

■ Blood glucose measurement performance

Measurement unit:	mg/dL or mmol/L
Linear range:	20-600 mg/dL (1.1 -33.3 mmol/L)
Precision:	±5 % (CV)
Accuracy:	±15mg/dL when glucose <75mg/dL ±20% when glucose ≧75mg/dL
Ketone warning:	glucose value is over 240 mg/dL

■ Blood pressure measurement performance

Pressure range:	0-300 mmHg
Heart rate range:	40-199 beat per minute
Measurement unit:	mmHg or KPa
Accuracy of pressure:	±3mmHg or ±2% of reading
Accuracy of heart rate:	±4% of reading
Maximum inflation pressure:	300 mmHg

SYMBOLS INFORMATION

Symbol	Referent
	Do not re-use
	Consult operating instruction
	Keep away from sunlight
	Keep dry
	Temperature limitation
	Use by
	Date of manufacture
	Batch code
	Type BF Equipment
	Serial number

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.

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.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Manufacturer:

TaiDoc Technology Corporation
4F, No.88, Sec1, Kwang-Fu Rd.
San-Chung, Taipei County, Taiwan
TEL: 886-2-66358080
FAX: 886-2-66355959

U.S.A Representative

Chunming Shih
4331 Stevens Battle Lane
Fairfax, VA 22033

Custom Care Line:

(703) 591-4934
Hours of Operation: 9 am- 4 p.m. EST
(14:00 - 21:00 GMT)

At all other times, you should contact your health care professional for assistance.