Dear GlucoSure STAR Owner

Thank you for choosing the GlucoSure STAR Blood Glucose Monitoring System to help you monitoring your blood sugar levels.

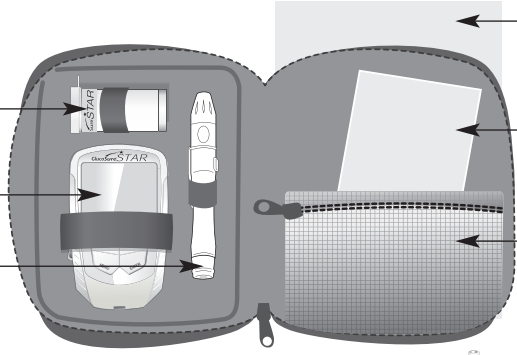
Your new GlucoSure STAR Blood Glucose Monitoring System is designed with convenience and accuracy in mind to make your life a little easier. All of the information needed to use and maintain your new meter is included in this manual. Please read it carefully.

Your GlucoSure STAR Blood Glucose Monitoring System provides an easy and precise way to measure blood glucose using fresh capillary whole blood taken from fingertips, palm, or forearm. Testing is done outside the body (in vitro diagnostic use). The test results are plasma-calibrated for easy comparison to lab results. The GlucoSure STAR Blood Glucose Monitoring System is a portable battery operated meter intended for use as an aid by persons with diabetes and by health care professionals to monitor glucose concentration in whole blood.

Table of Contents

Understanding Your New Blood Glucose Kit

Each kit of the GlucoSure STAR Blood Glucose Monitoring System may include the following items:

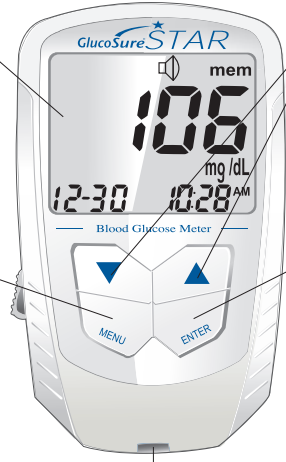


Note: Certain kit contents will not be included in some areas.

GlucoSure STAR Meter

Meter Display
Shows your blood glucose test results, memory values, averages, and other messages.

MENU
Hold and press to turn the meter on without inserting a test strip, access meter memory or Setup, or exit and return to testing when viewing meter memory or setup.

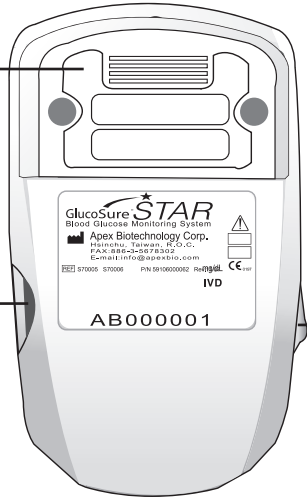


Test Strip Port
This is where you insert the test strip and the Meter will turn on automatically.

Scroll (▼▲) Buttons
Press for scrolling through stored test values and test averages or numbers when setting up the meter (see page 15).

ENTER
Press to display the year of the current test value when viewing meter memory (page 43), or move between fields (such as year, time, date, etc.) during setup.

Battery Compartment
Holds two 1.5V AAA batteries.



Code Card Port
Insert the code chip (see page 13) here.

Ejection Switch
Push and eject a used test strip (see page 10). Meter will be turned off automatically.

The GlucoSure STAR Meter Display Screen

CODE .....Indicate the current number in meter display is a code number. Verify this number with the code number printed on the test strip package before you test.

TEMPERATURE ..Appear when it is either too hot or too cold to test (outside the ranges of 10˚C~40˚C (50˚F~104˚F).

TEST STRIP .....This icon will flash to prompt you to insert a test strip for testing.

CTL .....This icon indicates a control solution test (see page 22).

DAY AVG .....Displayed when viewing 7, 14, or 30-day averages (see page 43).

HAPPY/ SAD FACE ..These icons indicate if the meter electronic is working properly.

BEEPER .....Indicate the beeper is on (see page 20 📖) .

BATTERY .....Appears when the battery is low and needs to be replaced (see page 11 📖).

MEM .....Indicates the number in the display area is a stored test value (see page 43 📖).

UNITS.....Unit of measurement for your blood glucose.

DISPLAY AREA ..Displays code number, test results, stored test values, calculated result averages, and messages.

BLOOD DROP and ARROW .....These two icons will flash together to indicate the meter is ready for testing.

The GlucoSure STAR Blood Glucose Test Strip

Contact Points
Insert this end to the Test Strip Port on the Meter.

Sampling End
Apply blood or control solution here

The GlucoSure STAR Test Strips are glucose specific, biosensor-based test strips that can test glucose in capillary whole blood in as quickly as 6 seconds and requires very little blood sample. The test result is plasma referenced for easy comparison to lab results and has under-fill detection to alert you when there is not enough blood to perform a test, so you can be assure that each reading you get is an accurate and meaningful result.

⚠ IMPORTANT:

- Be sure to use only the GlucoSure STAR Blood Glucose Test Strip with the GlucoSure STAR Blood Glucose Meter. Other brands of test strips will not work with the Meter.
- The GlucoSure STAR Blood Glucose Test Strips are sensitive to moisture and light, it is important to close the vial cap of the test strip bottle tightly after each use. DO NOT leave any test strips outside the bottle while not in use.
- Carefully discard used test strips and lancets in proper waste containers.

Setting Up Your New System

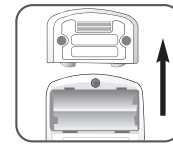
Inserting (or Changing) the Battery

Batteries need to be inserted before using your GlucoSure STAR Meter for the first time or when the icon appears on the Meter display.

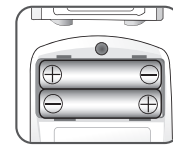
Materials you will need:

- Two Alkaline AAA Batteries (Supplied in Kit)
- Your GlucoSure STAR Meter

Step 1.
Press firmly on the battery cover and slide in the direction of the arrow to open the cover.



Step 2.
Insert new batteries according to the direction found on the battery cover and inside the battery compartment. The meter will beep indicating the batteries have been inserted correctly. Slide



the battery cover back into the meter firmly.

⚠ Note:

- When you change the batteries, the Meter automatically prompts you to check the time and date when turned on either by a Test Strip or pressing menu. If it is correct, press menu again to exit, or if the time and date are not correct, see page 15 📖 for Setting the Clock.
- The date, code number, and stored results will not be erased when the batteries are being changed.
- Discard used batteries according to your local regulation.

Coding the Meter

Code the meter by inserting a lot specific code card to ensure accurate test results. The code card is packaged along in the kit or with each box of GlucoSure STAR Blood Glucose Test Strips.

Materials you will need:

- A code card for the GlucoSure STAR Blood Glucose Test Strips
- A GlucoSure STAR Blood Glucose Test Strip
- Your GlucoSure STAR meter

Step 1.
Insert the code card with the connectors facing up. Make sure it is completely Inserted into the code card port.

Step 2.
Take out a GlucoSure STAR Test Strip from the test strip bottle and close the bottle immediately. Insert test strip to turn on the meter.

Step 3.
The meter will display all of its segments. The code number will appear on the meter display screen. Verify the code number on the screen with that on the test strip bottle or its package. The numbers (in this example) should be the same.

⚠ Note:
- You can insert the code card while the meter is turned on. The display screen will flash and show the new code number from the code card. Make sure the numbers from the meter display screen, the code card, and the test strip package match.
- Code number will not be erased when changing batteries.
- Remember to change the code card when a new package of test strips is opened for use.

Begin testing (see page 30 📖, Blood Glucose Testing), or eject the test strip to turn off the meter.

Setting the Clock

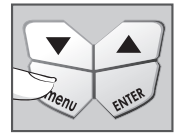
Material you will need:

· Your GlucoSure STAR Meter

Begin Set Up

Step 1.

Press and hold menu to turn on the Meter.

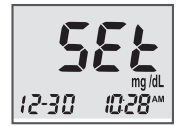


Step 2.

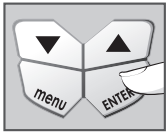
The meter will run a series of self tests ☹ will appear on the screen when all tests are complete. If ☺ or other error messages (Err 1, Err 2, etc) appears, see Solving Problems on page 49 📖.

Step 3.

After the 4-digit code number and a flashing test strip icon appears on the meter display screen, press menu twice until the meter display screen shows "SET".



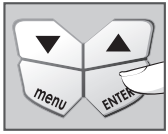
Set Year



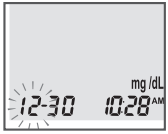
Step 4.
Press the ENTER and the current year will flash. Use the ▲ or ▼ buttons to select the correct year.

Press the ENTER button to confirm your choice and to advance to set the month.

Set month



Step 5.
The current month will flash. Use the ▲ or ▼ buttons to select the correct month.



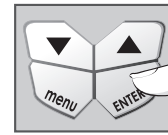
Press the ENTER to confirm your choice and to advance to set the day.

Set Day

Step 6.

The current day will flash. Use the ▲ or ▼ buttons to select the correct day.

Press the ENTER button to confirm your choice and to advance to set the hour.

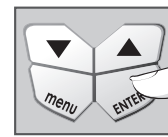


Set Hour

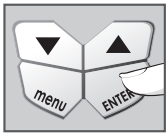
Step 7.

The current hour will flash. Use the ▲ or ▼ buttons to select the correct hour.

Press the ENTER button to confirm your choice and to advance to set the minutes.



Set Minutes



Step 8.
The current minutes will flash. Use ▲ or ▼ buttons to select the correct minutes. Press ENTER to confirm your choice and advance into setting 12-hours or 24-hours time format.

Set Time Format to 12-hours or 24-hours

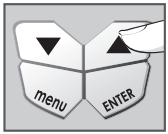
Step 9.
The current time format will flash. Use ▲ or ▼ buttons to select either 12-hours format or 24-hours format. Press ENTER to confirm your choice and exit time set up.

⚠Note:
Anytime during set up, you may either press the menu the to exit, or insert a GlucoSure Star Test Strip and begin testing. The changes you have done so far will be memorized by the meter.

Begin testing (see page 30 📖, Testing Your Blood Glucose), or press and hold menu to turn off the meter, or see the next section to how to turn on or off the beeper.

Turning ON/OFF Beep Sound

The GlucoSure STAR Meter comes with beeper sound ON as preset. Turning off the beeper will cause you to miss many important cues from your Meter- such as confirmation or error messages.



Step 1.
Press the ENTER button to confirm your choice and to advance to turning the beeper on or off.

Step 2.
Use the Scroll Up or the Scroll Down buttons to turn the beeper on or off.

Step 3:
Press ENTER to exit once you have made your selection.

⚠Note:
Anytime during set up, you may either press menu to exit, or insert a GlucoSure STAR Test Strip and begin testing. The changes you have done so far will be memorized by the Meter.

Begin testing by inserting a GlucoSure STAR Blood Glucose Test Strip (see page 30 📖, Testing Your Blood Glucose), or press ENTER to return to the start of set up, or press and hold menu to turn off the meter.

Control Solution Testing

Performing a Control Solution Test

The purpose of the control solution testing is to validate the performance of the GlucoSure STAR Blood Glucose Monitoring System using the testing solution with a known range of glucose. Your GlucoSure STAR Blood Glucose Monitoring Kit comes with one bottle of Contrex™ Plus Level 1 Glucose Control Solution to check the system performance at low glucose concentrations. You should perform control solution testing when:

- Using the Meter for the first time
- You open a new bottle of GlucoSure STAR Blood Glucose Test Strips
- You left the cap on the test strip vial open for a while
- You dropped the Meter
- You suspect your GlucoSure STAR Meter and Test Strips are not working properly
- The blood glucose test results do not reflect how you feel
- Practice the testing procedure

⚠ IMPORTANT:

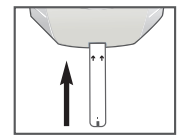
- Use only the Contrex™ Plus Glucose Control Solutions with the GlucoSure STAR Test Strips. Other brands of control solution will produce inaccurate result.
- Always check the expiration date. DO NOT use control solutions if expired.
- Mark the newly opened bottle of control solution with the date opened; discard any unused control solution three months after opening.
- DO NOT FREEZE. Store the control solutions at room temperature 15˚C~30˚C (59˚F~86˚F).

Materials you will need:

· Contrex™ Plus Control Solution (Level 1 or Level 2)
· Your GlucoSure STAR Meter
· A new GlucoSure STAR Blood Glucose Test Strip

Step 1.

Insert a GlucoSure STAR Blood Glucose Test Strip into the meter with the arrow mark facing up. Make sure the test strip contact points are inserted all the way into the meter. Close the test strip bottle immediately after you take out a strip.



⚠ IMPORTANT:

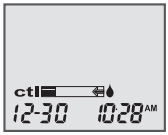
- Do not use Test Strip that has expired. Check the expiration date that is printed on the test strip bottle and its package.
- Use each Test Strip immediately after removing it from the bottle.
- After removing a test strip from the bottle, replace the bottle cap immediately and close it tightly.
- Do not use wet or damaged Test Strips.
- Keep away from direct sunlight and heat. Store the test strip bottle in a dry, cool place.
- Record the "date opened" on the test strip bottle label when you first open it. 3 months after first opened date, discard the bottle and any remaining Test Strip.
- Make sure you are testing in an environment that is between 10˚C~40˚C (50˚F~104˚F) . If the Meter displays a temperature icon , this means that your meter has been exposed to extreme temperatures that is outside of its normal operating range. Move the meter into an area that is between 10˚C~40˚C (50˚F~ 104˚F) , and allow 10 to 15 minutes for it to reach the new temperature before use. Your Meter will not begin testing if it detects it is outside this temperature range.

Step 2:

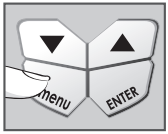
The meter will run a series of self tests. A ☺ will appear on the screen when all tests are complete. If a ☹ or other error messages (Err 1, Err 2, etc) appears, see Solving Problems on page 49 📖. for trouble shooting. The code number and a test strip icon will then appear on the meter display screen. Verify the code number on the screen with that on the test strip bottle or its package. The numbers (in this example) should be the same.

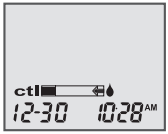
⚠ IMPORTANT:

- Always match the code number displayed on screen to the code number printed on the test strip bottle. The code number on the test strip bottle and on the display must be the same to get an accurate result.
- If the code number on the screen does not match the code number on the test strip bottle, you need to replace the code card in your meter, refer to Coding the Meter on page 13 📖.
- If the screen shows "Code----", this means the Meter is not coded. Refer to Coding the Meter on page 13 📖.
- Remember to change code card when opening a new package of Test Strips.



Step 3:
Wait until the flashing blood drop and arrow icons appear next to the test strip icon on the Meter display screen, press menu to enter Control Solution Testing.

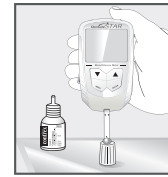




A ctl icon will appear next to the test strip icon on the Meter display screen, indicate that the Meter is in Control Solution Testing. If you decide not to do a control solution test, press menu twice to remove ctl from the meter display.

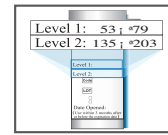
Step 4:
Squeeze a drop of Contrex™ Plus Level 1 Control Solution onto a clean, dry, nonabsorbent surface. Do not apply Control Solution to the Test Strip directly from the bottle. Replace the bottle cap on the control solution bottle immediately after use.

Step 5:
While holding the Meter, touch the control solution to the edge of the arrow mark on the test strip, and the control solution will be automatically pulled into the reaction area of the test strip. Hold the meter until it beeps.



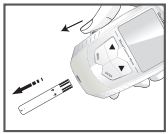
Step 6:
The screen will display count down bars that will gradually diminish. After 6 seconds, the control solution testing result will appear on the meter display screen.

Step 7:
Compare the reading on the screen to the Level 1 range printed on the test strip bottle or its package. If the reading does not fall within the Level 1 range printed on the test strip bottle or its package, see Control Solution Trouble Shooting, page 29 📖.

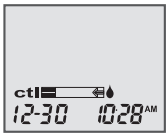


⚠Note:

- Control Solution Testing results will be stored into the Meter's memory and indicated by ctl icon.
- Control solution testing result will not be used for calculating averages.
- Replace the bottle cap on the control solution bottle immediately after use.



Step 8:
Discard the used test strip into proper waste basket by either using the ejection button on the Meter or remove by hand. The meter will automatically shut off after the Test Strip has been ejected or removed, or will shut off after 2 minutes of nonuse.



To do a Level 2 control solution testing using Contrex™ Plus Level 2 Control Solution, repeat the above steps and compare the result with the Level 2 range printed on the test strip bottle.

⚠IMPORTANT:

- Do not reuse Test Strips.

Control Solution Trouble Shooting

If your control solution testing is out of range (too high or too low), it may be caused by the following:

Possible Causes	What you can do.....
• Wrong brand of Control Solution being used • Expired or contaminated control solution • Damaged Test Strip. • Improper coding of the Meter • Meter malfunction • Control solution not at room temperature	• Make sure you are using Contrex™ Plus Control Solution (Level 1 or Level 2). • Make sure the testing environment is between 10˚C to 40˚C (50˚F~104˚F). • Check if the code number of the Meter and the test strip package match. If not, See Coding the Meter on page 13 📖. • Check the expiration and open bottle date on all Control Solution and Test Strips and repeat the test using a new Test Strip. If the result is still out of range, use a new bottle of control solution and retest.

Testing Your Blood Glucose

Materials you will need:

· Your GlucoSure STAR Meter
· A new GlucoSure STAR Blood Glucose Test Strip
· Lancing device with a clean, unused lancet
· Clear cap for Alternate Site Testing (AST) on palm and forearm

Before you begin, make sure:

- Set up your meter properly and run a control test. See Setting Up Your New System on page11 , and Control Solution Testing on page 22 for details.
- Wash your hands and testing site thoroughly with soap plus warm water, and dry well.
- You are testing in an area between the temperature ranges of 10˚C to 40˚C (50˚F~104˚F) . Your meter will not test outside of this range and will display . Move the meter into an area that is between 10˚C to 40˚C (50˚F~104˚F), and let it sit for 10 to 15 minutes before testing again.

Preparing Your Lancing Device

Step 1:
Unscrew the adjustable cap of the lancing device and insert the lancet by push down firmly until it is fully seated.

Step 2:
Twist the protective cover off from the lancet. Twist clockwise the adjustable cover back onto the lancing device.

⚠Note:
- For fingertip testing, use the blue adjustable cap.
- For alternate site testing on palm and forearm, use the clear adjustable cap.

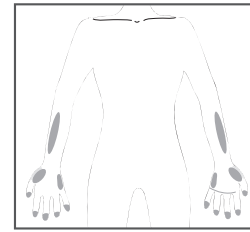
Step 3:
Adjust the puncture setting on the adjustable cap for the puncture depth level (1 is the lightest and 5 is the deepest).

Step 4:
With one hand holding the adjustable cap, pull back the lancing device with your other hand until you hear a click sound. The lancing device is now ready for blood sampling.

⚠ IMPORTANT:
Use a new sterile lancet every time you test to avoid cross contamination. If alcohol wipes are used to cleanse the fingers, make sure the area is dry before the blood sample is obtained.

Important Information on Alternate Site Testing (AST)

The GlucoSure STAR Blood Glucose Monitoring System can test for blood glucose from sites other then your fingertip such as palm and forearm (alternate site testing, or AST). Alternate site testing can be less painful then fingertip testing, but because of the physiological differences between your fingertip and palm and forearm [1]; alternate site test result maybe significantly different then results from fingertip testing under certain conditions. You should consult with your doctor or healthcare professional before using alternate site testing.



Alternate Site Testing SHOULD NOT be use when:

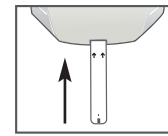
- You have Hypoglycemic unawareness (not able to tell if you have low blood sugar)
- Within 2 hours of a meal, exercise, or medication
- You will be operating machinery or driving a car.
- You are sick

⚠Note:
If results from alternate site testing do not agree with how you feel, use fingertip testing instead.

1. Jungheim K., Koschinsky T.: "Risky delay of hypoglycemia detection by glucose monitoring at the arm." Diabetes Care 2001:24(7):1303-04.

Performing a Blood Glucose Test

Step 1:
Take out a GlucoSure STAR Test Strip from the test strip bottle and close the bottle immediately. Insert the test strip to turn on the meter.



⚠ IMPORTANT:

- Check the expiration date printed on the test strip bottle and its package. Do not use expired test strips.
- Use each test strip immediately after removing it from the bottle.
- Do not use wet or damaged test strips.
- Keep away from direct sunlight and heat. Store the test strip bottle in a dry, cool place.
- Record the "date opened" on the bottle label. Discard the bottle and any remaining test strip after 3 months from date of opening.

Step 2:
The code number will appear on the meter display screen. Verify the code number with that on the test strip bottle or its package. The numbers (in this example) should match.

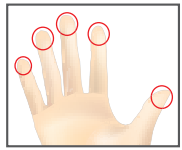
Wait for a flashing blood drop and an arrow icon appears on the meter display screen.

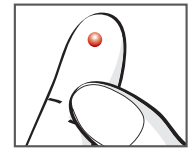
⚠ IMPORTANT:

- Replace the code card if code number displayed on screen and the code number printed on the test strip bottle do not match, refer to "Coding the Meter" on page 13.
- Remember to change the code card when using a new package of test strips.

Step 3- For Fingertip Testing:

Hold the lancing device (**use the blue cap**) against the side of your fingertip and press the release button to create a puncture.



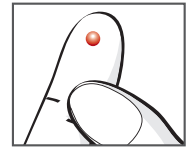


TIP:

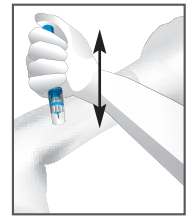
- Gently message your hand and finger toward the puncture site to form a drop of blood (approximately: ●). Do not "milk," or squeeze around the puncture site.
- Lance the side of your fingertip to avoid soreness. To avoid calluses, choose a different lancing site each time.

Step 3- Testing on Palm and Forearm:

Hold the lancing device (use the clear cap) against the test site (base of palm or forearm). Avoid a test site that has veins, moles, excessive hair, or bone. Press the lancing device firmly against the test site and press the release button, do not left up.



For forearm test sites, apply and release pressure ("Pumping") for a few seconds while keeping the lancing device in constant contact with the skin. Palm testing (at the base of the thumb) does not require pumping.

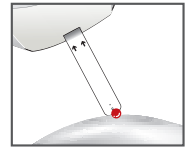


When the blood is about the size of a pen tip (approximatel: ●) left the lancing device straight up without smearing the blood.

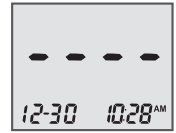
⚠ IMPORTANT:

- If results from alternate site testing do not agree with how you feel, use fingertip testing instead.

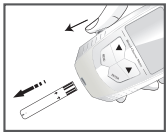
Step 4:
Gently bring the test strip and touch the drop of blood at a slight angle. The test strip acts like a straw to pull the blood in. Keep the test strip in the blood drop until the meter beeps to indicate the test strip has enough blood to test.



Step 5:
The screen will display count down bars that will gradually diminish. After 6 seconds, your glucose testing result will appear on the meter display screen. Your test result will be automatically stored into the meter memory.



⚠ CAUTION:
- If you see "**HI**" or "**LO**" displayed, your blood glucose level may be above 600 mg/dL or below 20 mg/dL. Test again using fingertip testing, DO NOT test on palm or forearm. If you still receive the same result, call your physician or healthcare professional immediately.



Step 6:
Eject the used test strip into proper wastebasket. The meter will automatically shut off.

Step 7:
Remove the used lancet from your lancing device according to instructions and discard into proper wastebasket.

⚠ IMPORTANT:

- Discard used test strips and lancets according to your local disposal regulations where applicable.

Understanding Your Blood Glucose Test Results

Blood glucose value will vary depending on food intake, medication, health, stress, and exercise. The ideal range for adult with diabetes should be:

- 90~130 mg/dL (5~7.2 mmol/L) before meals, and
- Less than 180 mg/dL (10 mmol/L) two hours after meal[(1)].

It is important to consult with your physician or healthcare professional to determine an appropriate target range for you.

What to do if you get a high or low reading

If the Meter displays results that are HI or LO, or you get a result that is more than 250 mg/dL (13.9 mmol/L) or below 50 mg/dL (2.8 mmol/L) AND you feel ill:

- Treat your diabetes according to the instruction from your doctor and/or consult your healthcare provider.

If the Meter displays results that are HI or LO, or you get a result that is more than 250 mg/dL or below 50 mg/dL AND you DO NOT feel ill:

- Make sure the Code Number on your Meter matches the code number on the test strip bottle.
- Repeat your test.
- Test your Meter with a Control Solution, refer to page 22, Control Solution Testing.

If you still get a high or low reading, contact your health care professional.

Reference:

1. *Stedman, Thomas Lathrop. Stedman's Medical Dictionary, 27 Edition, 1999, pg. 2092*
2. *American Diabetes Association, "Clinical Practice Recommendations 2003." Diabetes Care, Vol. 26, Supplement 1, pg. S22.*

Viewing Stored Readings and 7, 14, 30 Days Average from Memory

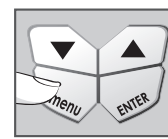
Your GlucoSure STAR Meter automatically stores up to 300 test and control results with date and time. In addition, the meter also provides 7, 14, and 30 days averaging to help you better track your effort in controlling your blood glucose level. You will need to set your meter date and time to use the memory and day averaging function, see Setting Up Your New System on page 15 . The meter will not memorize any test or control results if the date and time are not set.

Material you will need:

·Your GlucoSure STAR Meter

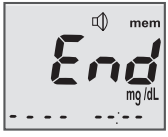
Step 1:

Turn on the Meter by press and hold menu button.



Step 2:
The meter will display all of its segments, and ☺ will appear on the screen. If ☹ or other error messages (Err 1, Err 2, etc) appears, see Solving Problems on page 49 for trouble shooting.

Step 3:
After the code number and the flashing test strip icon appear, press the menu button once. **mem** icon will appear at the upper right corner of the display screen along with your most recent blood glucose testing or control testing result. Press ▲ to see the next result. Keep on pressing the ▲ to view older results one by one, or hold it down to scroll through the results.



When less than 300 results are stored in the Meter' memory, **End** will appear after the last recorded test result. You can press ▼ to go back viewing your results, from the oldest to the most recent.

Step 4.
When you reach the most recent result, continue pressing to start viewing day averages. The Meter will display the 7 days average, press the again to see 14 days average, and then press it again to see 30 days average.

When your 30 days average is displayed, you can press to go back viewing your averages and stored readings.

⚠ Note:
- Control testing results will be flagged by a ctl icon on the bottom left corner of the display screen in addition to the mem icon.
- Control testing results will not be included in the day averages
- When there are no memorized results stored in the Meter, the display screen will show **nil**.

- When there are no day average data available, the display screen will show 4 dashes.
- If the Meter's memory already has 300 test results, adding a new test result will cause the oldest one to be deleted.
- Memorized test results and day averages will not be erased when changing batteries.

After finish viewing memory or days averages, either begin testing by inserting a GlucoSure STAR Blood Glucose Test Strip (see page 30 📖,Testing Your Blood Glucose), or press and hold menu to turn off the Meter.

Caring for the Meter

Caring your GlucoSure STAR Meter is easy. Follow these simple guidelines to keep your GlucoSure STAR Meter working properly.

Cleaning the Meter

- If the meter gets dirty, use a moist (NOT WET) lint-free cloth dampened with a mild detergent.
- Do not get water inside the GlucoSure STAR Meter. Never immerse the meter or hold it under running water.
- Do not use glass or household cleaners on the meter.
- Do not try to clean the test strip holder.
- Do not contaminate the strip holder with blood or control solution.

Storage and Precautions

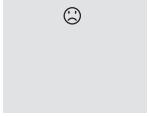
- Handle the meter with care- severe shock, such as dropping the meter, could damage the electronics.

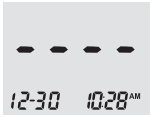
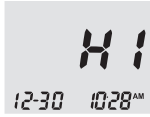
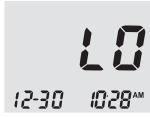
- The meter and the test strips are designed to be used within the temperature ranges between 10˚C~40˚C  (50˚F~104˚F) .
- Avoid leaving the meter in extremely hot or cold place, such as near a heat source or in an extremely hot or cold car.
- Do not store or use the meter or test strips where they may be exposed to high humidity levels, such as in a bathroom or kitchen.
- Always close bottle cap immediately after removing a test strip and make sure it s closed tightly.
- Do not take the meter apart. Doing so will void the warranty.
- Do not use this meter in a dry environment, especially if synthetic materials are present. Synthetic clothes, carpets, etc., may cause damaging static discharges in a dry environment.
- Do not use this meter near cellular or cordless telephones, walkie talkies, garage door openers, radio transmitters, or other electrical or electronical equipment that are sources of electromagnetic radiation, as these may interfere with the proper operation of the meter.

Solving Problems

This section details the significant display screen messages and error codes you will encounter when using your GlucoSure STAR Meter and Test Strips.

Message	What it Means	What Should You Do
	The Test Strip is Expired	• Check the test strip bottle and verify the expiration date. • Check the Code Number on both the Meter display screen and the test strip bottle or its package to make sure they match. • Check if Meter's date and time is set up correctly; see Setting Up Your New System on page 11  .
	Used or contaminated Test Strip	Repeat the test with a new Test Strip. Wait until you see the flashing blood drop with an arrow icon before you add blood or control solution sample.

Message	What it Means	What Should You Do
	Test Strip was removed during testing	Repeat the test with a new Test Strip.
	Not enough sample in the Test Strip to start	Remove the Test Strip and repeat the test with a new Test Strip. See Testing Your Blood Glucose on page 30  .
	The Meter is damaged	• Remove the battery and turn on the Meter again.
	Code Card Error	Insert the Code Card again or use another Code Card from a different package of Test Strips.

Message	What it Means	What Should You Do
	The Meter is not coded	See Coding the Meter on page 14.
	Temperature out of range.	Move the Meter into an area that is between 10˚C~40˚C (50˚F~104˚F), and allow 10 to 15 minutes for it to reach the new temperature.
	Test result is higher than 600 mg/dL (33.3 mmol/L)	Wash and dry your hands and repeat the test using a new Test Strip. If the result is still HI, contact your physician or health-care professional immediately.
	Test result is lower than 20 mg/dL (1.1 mmol/L)	Wash and dry your hands and repeat the test using a new Test Strip. If the result is still LO, contact your physician or health-care professional immediately.

Message	What it Means	What Should You Do
	Battery is low	Change the battery according to page 11 📖, Inserting (or changing) the Battery.
	There are no memorized results in the Meter	• Check if the date and time on you Meter is set up. See Setting Up Your New System on page 11 📖. • Start testing your blood glucose, see Testing Your Blood Glucose on page 30 📖.

Product Warranty

Apex Biotechnology Corporation warrants the GlucoSure STAR Blood Glucose Meter to be free of defects in workmanship and materials under normal use for a period of five (5) years from the date of purchase to the consumer. The liability of Apex Biotechnology Corporation is limited to repair or replacement and in no event shall Apex Biotechnology Corporation be liable for any collateral or consequential damages or loss.

Instruments subjected to misuse, abuse, neglect, unauthorized repair or modification will be excluded from this warranty.
This guarantee specifically excludes expendables and consumables.

All warranty claims must be directed to the Apex Biotechnology Corporation authorized dealer responsible for the sale of the system.
The warranty applies only to the original purchaser of the system.

Specifications

Test Strips:	GlucoSure STAR Blood Glucose Test Strips
Test Range:	20 - 600 mg/dL (1.1 ~ 33.3 mmol/L)
Calibration:	Plasma
Test Time:	6 Seconds
Hematocrit Range:	30-55%
Display Type:	Large LCD screen
Memory:	300 blood test results with date and time
Result Averaging:	7, 14, and 30 days averaging
Dimension:	90L x 53W x 20H (mm)
Weight:	80g
Battery:	2 Alkaline AAA Battery
Battery Life:	1000 tests of continuous use or 1 year
Automatic Power-off:	After 2 minutes of nonuse
Operating Temperature:	10˚C~40˚C (50˚F to 104˚F)
Relative Humidity:	Less than 85%

Storage Condition:	Meter at 4˚C~50˚C (39˚F ~ 122˚F)
	Test Strips at 4˚C~30˚C (39˚F ~86˚F)
Convenient Feature:	Test Strip Ejection

Classification according to IEC/EN 60601-1: IPXO, not evaluated as AP/APG equipment, continuous operation.

Electromagnetic Compatibility: This equipment complies with EMC requirement of EN 60601-1-2.

EU directive/classification: 98/79/EC Annex II, List B

For additional information, refer to the GlucoSure STAR Test Strip insert.

Symbols Used in this Manual

- (EXP) Expiration date (use by last day of month)
- (LOT) Batch code
- Temperature limitations
- Consult instructions for use
- In vitro diagnostic device
- Caution / warning, consult accompanying documents
- Product code number
- Keep away from sunlight/direct light
- Do not re-use
- Manufactured by
- Authorised Representative in the European

Supplies

S70005	GlucoSure Star Basic (mg/dL)
S70006	GlucoSure Star Kit (mg/dL)
S70008	GlucoSure Star Basic (mmol/L)
S70009	GlucoSure Star Kit (mmol/L)
S5636026	GlucoSure Star 25's Test Strip (mg/dL)
S5636053	GlucoSure Star 50's Test Strip (mg/dL)
S5636052	GlucoSure Star 2x25's Test Strip (mg/dL)