

# BeatO star



## User Manual

Discover BeatO Star  
& How to use



[www.beatoapp.com](http://www.beatoapp.com)



ISO 9001:2015

ISO 13485:2016

ISO 15197:2013



In case of any queries, please reach out to us at:

✉ Contact Us: [glucosupport@beatoapp.com](mailto:glucosupport@beatoapp.com)

☎ Mobile No .: **+91 7863023286**

🌐 You can also visit [www.beatoapp.com](http://www.beatoapp.com) for additional details on our products.

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Thank you for choosing the BeatO Star Blood Glucose Meter. The Meter associated with the BeatO Star Blood Glucose Test Strip is designed to quantitatively measure the concentration of glucose in capillary whole blood by persons with diabetes or by healthcare professionals for monitoring glucose at home or in healthcare facilities.

Please read this manual carefully before using your BeatO Star Blood Glucose Meter. If you have any questions or requirements, please contact us at the details below

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### Intended Use

The BeatO Star Blood Glucose Meter is designed to quantitatively measure the concentration of glucose in capillary whole blood by people with diabetes or by healthcare professionals for monitoring blood glucose at home or in healthcare facilities.

The device is an over-the-counter device indicated for professional use and for home use.

The meter is for quantitative blood glucose testing with BeatO Star blood glucose test strips.

### About the Meter

The BeatO Star blood glucose meter uses biosensor technology in blood glucose monitoring to provide you with easy and comfortable testing. It requires only 0.8µL sample.

### Important Information

**IVD** The BeatO Star blood glucose meter is intended for in vitro diagnostic use with capillary whole blood. The meter should not be used for diagnosis of diabetes or for testing newborn infant (neonatal testing).

### Caution

1. The user should not take any decision of medical relevance without first consulting with his or her medical professionals.
2. Call your doctor immediately if you experience symptoms that are not consistent with your blood glucose test results.
3. Severe dehydration or excessive water loss may cause false results. Call your doctor right away if you believe you are suffering from dehydration.
4. A red blood cell count (hematocrit) that is either very high (over 65%) or very low (under 25%) may give false results.

5. Operating temperatures outside the range of 2° to 40° (35,6°F to 104°F) may affect test results.
6. Interferences: Acetaminophen, Dopamine, L-DOPA, Ibuprofen, Salicylate, Bilirubin, Creatinine, Cholesterol, Triglycerides, Uric acid, EDTA, Galactose, Gentic acid, Glutathione, Haemoglobin, Heparin, Maltose, Methyl-DOPA, Tolbutamide, Tolazamide, Xylose, Pralidoxime Iodide and Icodextrin (when occurring in normal or therapeutic concentrations) do not significantly affect results. However, abnormally high concentrations of substances, such as Acetaminophen, Salicylate, Uric acid, and other reducing substances in blood, may give inaccurately high results.
7. Intravenous administration of ascorbic acid which results in blood concentration of ascorbic acid >3 mg/dl will cause overestimation of blood glucose results.
8. Diabetics who accept xylose absorption test please do not use the BeatO Star Blood Glucose meter and test strips, because xylose can lead to high results.

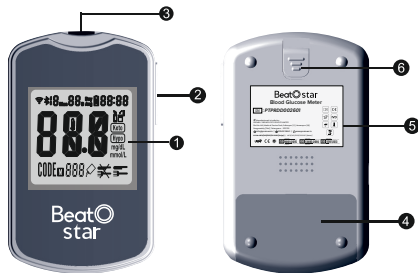
### The Package of the BeatO Star Blood Glucose Meter contains:

1. BeatO Star Blood Glucose Meter
2. Lancing Device
3. User Manual
4. Carrying Case

**Note:** Before using this meter, please ensure that all items listed under "What's included" on the box are in the package. If you notice any defect or missing item, kindly return the entire package by reaching our customer support service.

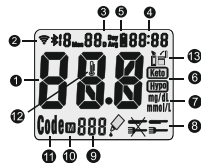
## BeatO Star Blood Glucose Meter & LCD Window

### Understand your meter



- 1. Display:** The large, easy to read display shows blood glucose results, messages, glucose results stored in memory, time and date.
- 2. "-" Button:** Press this button to enter memory mode and recall information stored in the meter's memory. It is also used to increase values in setting mode. "+" button, press to enter date and time setting or take a new test.
- 3. Strip Slot:** Holds the Test Strip in place when you perform a blood glucose test.
- 4. Battery Compartment:** Holds 2\*AAA batteries battery. The battery is not pre-inserted into meter. Please insert the battery before use.
- 5. Meter Label:** Label of the Meter.
- 6. Strip ejection button:** For ejection of test strip

- 1. Test Result**
- 2. Date:** Month/Date
- 3. Day Avg:** Appears when the meter is in memory mode while recalling 7/14/21/28-day test averages.
- 4. TIME:** 24 hour period format.
- 5. Battery Symbol :** Appears when battery is low.



- 6. Keto/Hypo SYMBOL:** "Keto" symbol appears when the blood glucose concentration is above 17.8mmol/L (320 mg/dl). This simply suggests that a ketone test is recommended. Consult your healthcare professional about testing for ketones;  
"Hypo"symbol appears when the blood glucose concentration is below 3.9 mmol/L (70mg/dL).
- 7. mg/dL/mmol/L:** Results are displayed as mg/dl or mmol/L
- 8. SYMBOL :** The test can be adjusted and stored into 3 types of test modes - BEFORE MEAL TEST(), AFTER MEAL TEST (), and CONTROL SOLUTION TEST ().
- 9.**  This display indicates that all digits are working properly.
- 10.**  appears when reading previous results.
- 11. CODE :** Code appears to indicate code number when it's ready to test.
- 12. Thermometer Symbol :** Appears when ambient temperature is outside the acceptable range needed for testing.
- 13. Strip Symbol :** Appears when the test strip is inserted and meter is ready for blood testing. Recap the vial immediately after removing test strips.

## BeatO Star Blood Glucose Test Strip

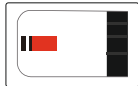


- 1. Sampling Port:** apply blood at the edge of the strip. Do not apply blood on top/bottom of the test strip.
- 2. Detection Zone:** make sure this part is filled with blood to ensure correct results.

For example:



(✓)



(✗)

- 3. Electrode End:** insert the test strip from here into the meter.

### Important Information

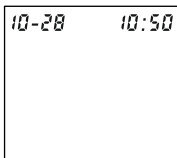
- Do not use damaged test strips or test strips changed in any way. Use test strip immediately after removing it from the vial. Recap the vial immediately and close it tightly to protect your test strips.
- BeatO Star Blood Glucose Test Strips are intended for in vitro diagnostic use with capillary whole blood or control solution. Results will not be accurate if used with plasma or serum samples.
- BeatO Star Blood Glucose Test Strips can be damaged by heat and light. Keep them sealed in the original vial. Keep the vial in a cool, dry place below 2°C/35.6°F and above 40°C/104°F.
- Do not refrigerate.
- Do not use test strips beyond the expiry date indicated on the vial.
- ⊗ For single use only.
- Do not carry loose test strips in your carrying case.

### Setting Date & Time

When the battery is inserted the first time or every time it's replaced, the meter will automatically enter setting mode. Please set the current time and date before you begin testing.

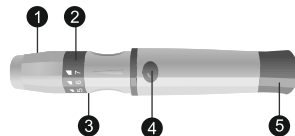
#### To set time and date

1. Press "+" button for 2 seconds to turn on the meter. The meter will enter setting mode automatically.
2. The year flashes with a beep sound, for example, for the year 2017, the number '17' will flash.
3. Press "+" button to obtain the desired year.
4. Press "-" button to confirm and shift to the next setting.
5. Repeat to set the month, date, hour and minute.
6. After the minute is set, the meter will display "OK" before turning off



Use this lancing device with your lancet to take a blood sample.

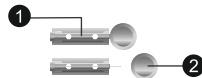
1. Lancing Device Cover
2. Puncture Depth Setting
3. Lancet Holder
4. Release Button
5. Cocking Barrel



#### Lancet

Used with lancing device to take a blood sample.





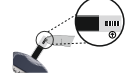


1. Safety Lancet
2. Safety Tab



#### ⚠ Important Information

- Ⓜ Lancet is for single use only.
- Keep lancing device and lancets clean.
- Use caution when removing the used lancet from the device and disposing.
- The lancing device and lancets are in conformity with MDD 93/42/EEC. Refer to product labels for contact information of manufacturer and CE marking.

## Performing a Test With BeatO Star Test Strip

<p>1. Wash your hands in warm, soapy water. Rinse and dry completely. Warm your fingers to increase blood flow.</p>	
<p>2. Remove a new test strip from vial. Be sure to tightly re-cap the vial after removing test strip. Insert test strip immediately into strip slot as illustrated. The meter turns on automatically.</p>	
<p>3. When the <math>\rho</math> symbol flashes, you are ready to perform a test.</p>	
<p>4. Use the lancet loaded in lancing device to obtain a drop of blood on the side of your finger. Hold the device firmly on your fingertip. Press the release button. Gently massage your finger to obtain the required blood volume. To perform the test, you need 0.8<math>\mu</math>L of blood sample.</p>	
<p>5. Apply the blood sample at the edge of the test strip. Make sure the blood drop fills the detection zone completely. When blood is applied to the strip, a line moves on the display until measurement is completed.</p>	
<p>6. Your result will show up in 5 seconds, and it is automatically recorded in the meter's memory. You may also want to record the result in your logbook.</p>	
<p>7. If the test is being done within 2 hours after meal, press "+" button to change the setting from AC <math>\frac{1}{2}</math> to PC <math>\frac{1}{2}</math>. If the test is a control solution test, press "S" button again to change the setting from PC <math>\frac{1}{2}</math> to QC <math>\rho</math>.</p> <p><b>Note:</b> If a test is set as "QC <math>\rho</math>", the result will not be calculated into averages</p>	

8. After testing is completed, remove the test strip from the meter. Discard the strip and lancet safely in a puncture resistant container.



9. The meter has a risk indicator function. If "Lo" is displayed, your blood glucose result may be higher than 320 mg/dL (17.7mmol/L). If "Hi" is displayed, your blood glucose result may be lower than 70 mg/dL (3.9 mmol/L). The testing range of the meter is from 10 to 600 mg/dL(0.5-33.3 mmol/L). If "HI" is displayed, your blood glucose result may be higher than 33.3 mmol/L or 600 mg/dL. If "LO" is displayed, your blood glucose result may be lower than 0.5 mmol/L or 10 mg/dL.



- Normal blood glucose range is 70 to 100 mg/dl for fasting and less than 140 mg/dl two hours after meals for a non-diabetic adult. Consult your healthcare professionals to find out your target blood glucose value.
- If your blood glucose result seems unusually high or low, or inconsistent with your previous results, check the following:
  1. Was the blood sample applied to the test strip immediately after removing it from the vial?
  2. Was the size of the blood sample sufficient?
  3. Was the test strip vial cap tightly sealed?
  4. Are the test strips expired?
  5. Were the test strips stored in extreme temperatures—such as very cold or hot weather or in areas of high humidity?

Then run a quality control check with your control solutions and a new test strip. If the control test result is within the acceptable range, review testing procedure and repeat your blood glucose test with a new test strip.

If your blood glucose value is still inconsistent with your previous results, glucose trend, or how you feel, contact your doctor immediately for help.

BeatO Star Blood Glucose Meter can automatically store up to 180 test results and calculate your average results of 7, 14, 21, 28 days for both AC and PC.

When recalling results, each result is displayed from latest to earliest, along with its date and time.

### To Recall Results Stored in Memory

1. Turn meter on by pressing "-" button until you hear a beep sound. The first result displayed on the screen is your latest test result.
2. By pressing "-" button, you will see your test record from the most recent to the oldest.
3. Press the "S" button to view the average results, press the "+" button continuously to view the average results sequentially for 7, 14, 21 and 28 days.
4. Please press "-" button to turn the meter off, it is done when you hear the beep sound.

## Meter Specifications

Item	Description
1	Principle Amperometric Biosensor
2	Test Time 5 seconds
3	Automatic Shut Off Available
4	Meter Size (H x W x D) 1.5 cm x 9.5 cm x 5.5 cm
5	Weight <100 g
6	Operating Conditions 2°C - 40°C (35.6°F - 104°F)
7	Working Humidity 5 - 95% RH
8	Acceptable Hematocrit Range 25 - 65%
9	Strip Shelf Life 24 Months
10	Calibration Auto Calibration, no coding
11	Measurement Range 10 to 600 mg/dL
12	Sample Volume 0.8 µL
13	Sample type Adult & Paediatric Whole blood (Capillary, Venous, Arterial)
14	Altitude 8800 feet (2750 meter)
15	Power Source AAA Battery
16	Battery Life 12 months or 1000 tests
17	Units of Measure mg/dL
18	Memory 180 records with date and time
19	Protection Class A
20	Repeatability CV <5%

### Electromagnetic Compatibility

Do not use this equipment in close proximity to sources of strong electromagnetic radiation (e.g. unshielded intentional RF sources), as these can interfere with proper operation.

## Taking Care of your Meter

If your meter is dirty, please clean it by wiping gently with a cotton swab or cloth. Avoid using powder to clean your meter.

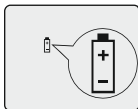
This instrument should not be subjected to extremes in temperatures, humidity, direct sunlight, shock or dust.

### Replacing The Battery

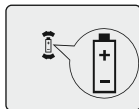
1. BeatO Star blood glucose meter's battery life will vary depending on usage, so always keep a spare available.
2. The battery can last about 18 months when testing 2 times a day, or for a total of 1000 tests.
3. When the battery symbol appears on the meter display, it means battery is low. (FIG. A)
4. You will still be able to test with low battery, but you should replace it as soon as possible.
5. When battery symbol appears flashing on the display, the meter will no longer give results and you must replace the battery immediately. (FIG. B)

#### Note:

- Every time when you replace the battery, the meter will turn on automatically entering the time/ date setting.
- Please set the current time and date before testing.
- Please remove the battery if you will not use the meter over a long period of time.






(FIG. A)



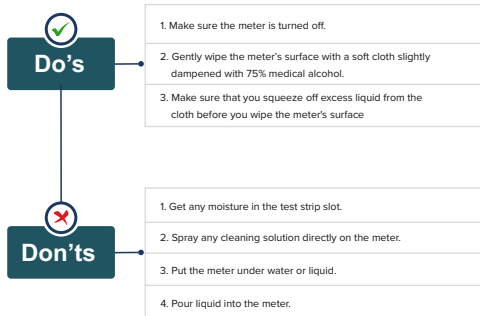
(FIG. B)

## How to Replace Batteries

1	Make sure the meter is turned off. Hold the front of the meter in the palm of your hand. Slide the battery compartment door open.	
2	Remove old batteries and insert new 2'AAA alkaline into the battery compartment.	
3	Close the battery compartment door. Check to see if your meter is working. If it fails to turn on the batteries may have been inserted incorrectly. Remove batteries and reinsert it as illustrated.	

## How to Clean Your Meter

Caring for your BeatO Star Blood Glucose Meter is easy - just keep it free of dust. If you need to clean it, please follow the guidelines below carefully:



## Storage and Handling

Keep your meter free of dust. Protect it from extreme temperature and humidity.

## Disposing your Meter

### Disposing your Meter

During blood glucose measurement the meter itself may come into contact with blood. Used meter may carry a risk of infection. Please dispose off your used meter properly after removing batteries according to the regulations applicable in your country. For information about correct disposal please contact your local council and authority.

Here are some problems that might happen when using your BeatO Star Blood Glucose Meter. These messages will help you understand what went wrong. If you see a message that's not listed here or have any questions, please contact us.

Display	Description	What To Do
	Check Display	If some parts of the display do not work Contact us for help.
	Blood glucose result may be higher than 800 mg/dL.	If this result does not match the way you feel, review the proper testing procedure. Repeat the blood test. If 'HI' still appears, contact your doctor or our helpline.
	Blood glucose result may be lower than 10 mg/dL.	If this result does not match the way you feel, review the proper testing procedure. Repeat the blood test. If 'LO' still appears, contact your doctor or our helpline.
	Temperature is above or below the operating range of test strips	The result you have obtained may not be accurate. Move to an area with temperature between 10°C to 40°C (50°F - 104°F). Do not artificially heat or cool the meter.
	Battery is dead.	Change battery now.
	Test strip may be damaged or test was not performed correctly.	Perform the test with a new test strip and follow the test procedure correctly.
	Test strip is used.	Perform the test with a new test strip only.
No response when strip is inserted into the meter	It may be: 1. Battery is dead. 2. Wrong strip is inserted. 3. Meter is defective.	Perform the test with new test strip and follow the test procedure correctly.
No response when blood sample is applied to the strip	It may be: 1. Blood sample is not sufficient. 2. Meter is defective.	Repeat test with sufficient blood sample.

### NOTE:

If there is any other error message displayed, which is not listed here, or your meter shuts down for no reason, you can reset the meter or replace the battery.

	For in vitro diagnostic use
	Lot number
	Temperature limitation/Store at
	Authorized representative
	Humidity limitation/store at
	Serial number
	B application
	Please read instructions for use
	Caution, read accompanying document
	Manufacturer
	Discarded glucose meters and batteries must be discarded in containers labelled with WEEE. Please comply with local regulations and take appropriate protective measures to dispose of all waste.

In case of any queries, please reach out to us at:

✉ Contact Us: [glucosupport@beatoapp.com](mailto:glucosupport@beatoapp.com)

☎ Mobile No. : +91 7863023286

🌐 You can also visit [www.beatoapp.com](http://www.beatoapp.com) for additional details on our products.

Discover BeatO Star  
& How to use



Target Range for Blood Sugar set with your Healthcare Professional

Wakeup Time \_\_\_\_\_ Before Meals \_\_\_\_\_ After Meals \_\_\_\_\_ At Bed Time \_\_\_\_\_

Day	BREAKFAST		LUNCH		DINNER		BEDTIME		OTHER	NOTES
	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication		
Mon										
Tue										
Wed										
Thu										
Fri										
Sat										
Sun										
Avg.										

Target Range for Blood Sugar set with your Healthcare Professional

Wakeup Time \_\_\_\_\_ Before Meals \_\_\_\_\_ After Meals \_\_\_\_\_ At Bed Time \_\_\_\_\_

Day	BREAKFAST		LUNCH		DINNER		BEDTIME		OTHER	NOTES
	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication		
Mon									Blood Glucose	
Tue										
Wed										
Thu										
Fri										
Sat										
Sun										
Avg.										

Target Range for Blood Sugar set with your Healthcare Professional

Wakeup Time \_\_\_\_\_ Before Meals \_\_\_\_\_ After Meals \_\_\_\_\_ At Bed Time \_\_\_\_\_

Day	BREAKFAST		LUNCH		DINNER		BEDTIME		OTHER	NOTES
	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication		
Mon									Blood Glucose	
Tue										
Wed										
Thu										
Fri										
Sat										
Sun										
Avg.										

# Target Range for Blood Sugar set with your Healthcare Professional

Wakeup Time \_\_\_\_\_ Before Meals \_\_\_\_\_ After Meals \_\_\_\_\_ At Bed Time \_\_\_\_\_

Day	BREAKFAST		LUNCH		DINNER		BEDTIME		OTHER	NOTES
	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication	Blood Glucose	Insulin / Medication		
Mon										
Tue										
Wed										
Thu										
Fri										
Sat										
Sun										
Avg.										



**Discover BeatO Star  
& How to use**



**Manufactured By:**

M/s Promea Therapeutics Private Limited  
(ISO: 13485:2016 certified)  
Plot no M-4, Medical Device Park, Sultanpur(V),  
Patancheru(M), Sangareddy(D), Telengana - 502319  
Email: info@promea.in | Mobile No.: +91 9154938441

**Licence Number for Blood Glucose Test Strips:**  
**MFG/IVD/2021/000049**

**Marketed By:**

Health Arx Technologies Private Limited  
(ISO: 13485:2016 certified)  
A-9, Ground Floor, FIEE Complex, Okhla Industrial Area,  
Phase II, New Delhi - 110020  
CIN No.: U74999DL2015PTC28403  
Wholesale Drug Lic No: WLF20B2024DL002176/  
WLF21B2024DL002151  
Retail Drug Lic No: RLF20DL2024003812/  
RLF21DL2024003819

**Customer Support:**

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