



Express Mobile

Blood Glucose Monitoring System

User's Manual



ACON Laboratories, Inc.
San Diego, CA 92121, USA
Customer Support 1-800-838-9502 (24 hours/365 days)
oncallmeters.com

For *in vitro* diagnostic use only.

Number: 1150976603
Effective Date: 2020-10-21

© 2020 ACON Laboratories, Inc.



C100, M0, Y59, K0

C100, M40, Y1, K0

C100, M70, Y20, K50

Attention: By approving the enclosed design draft, you (ACON's Customer) accept all responsibility for the accuracy of the design. If an error is detected following the printing or manufacturing of a material, you (ACON's Customer) are responsible for the cost of any inventory which is deemed unsuitable for sale.

☒ US

☐ OUS

☐ DOMESTIC

☐ OTHER

Description	Part Number	Size
OCX Mobile US User's manual (En)	1150976603	110x165mm

Printing Contents	L Number	Size
/	/	/

Designer	Design Date/Version
nafei.chen	Oct 13, 2020 / C

Artwork checked by	Material	Checked by
	封面157g双铜水性上光+内页70g双胶	

Approved by Customer	Approved by Marketing/Sales

Approved by P.M.T.	Approved by QA	Effective Date

On Call® Express Mobile

Blood Glucose Monitoring System

Self monitoring of blood glucose (SMBG) is an important part of diabetes care. But the high cost of testing can make this impossible. At **ACON**, our goal is to provide high quality glucose monitoring systems at a price that allows you to test as often as necessary. Together, we can better manage your diabetes and help you live a longer and healthier life.

Welcome, and thank you for choosing the *On Call® Express Mobile Blood Glucose Monitoring System*. The *On Call® Express Mobile Blood Glucose Monitoring System* will give you accurate blood glucose results in just a few simple steps.

The *On Call® Express Mobile Blood Glucose Monitoring System* uses an electrochemical enzymatic system for the quantitative detection of glucose in fresh capillary whole blood. It allows diabetics to take blood samples from the fingertip, forearm, or palm. It is used at home as a way to monitor the effectiveness of diabetes control programs. Alternate testing sites (forearm and palm) should be used only during steady-state times (when blood glucose level is not changing rapidly). The *On Call® Express Mobile Blood Glucose Monitoring System* is intended to be used by a single patient and should not be shared. Alternative Site Testing (AST) should not be used to calibrate continuous glucose monitors (CGMs) nor for use in insulin dose calculations. *On Call® Express Mobile Blood Glucose Monitoring System* is for single patient use only. Do not share with others.

To ensure accurate results from your *On Call® Express Mobile Blood Glucose Monitoring System*, please follow these instructions:

- Read instructions before use.
- Use only *On Call® Express Blood Glucose Test Strips* with the *On Call® Express Mobile Blood Glucose Meter*.
- For *in vitro* diagnostic use only. Your blood glucose monitoring system is to be used only outside the body. It is for monitoring the effectiveness of diabetes control. It should not be used for the diagnosis of diabetes.
- For self-testing and professional use.
- Test only whole blood samples with the *On Call® Express Blood Glucose Test Strips* and *On Call® Express Mobile* meter.
- Consult your physician or doctor before making any adjustments to your

medication, diet or activity routines.

- Keep out of reach of children.
- Keep this User's Manual in a safe place, do not discard it.
- Not for use on critically ill patients, patients in shock, dehydrated patients or hyperosmolar patients.

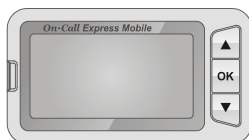
By following the instructions outlined in this User's Manual, you will be able to use your *On Call® Express Mobile* Blood Glucose Monitoring System to monitor your blood glucose and better manage your diabetes.

Table of Contents

Getting Started.....	1
Component Descriptions	2
<i>On Call® Express Mobile</i> Blood Glucose Meter	4
Meter Display	5
<i>On Call® Express</i> Blood Glucose Test Strips.....	7
<i>On Call® Express</i> Glucose Control Solution	10
Installing the Battery	12
Meter Setup Before Testing	13
Device Pairing.....	16
Testing Your Blood.....	18
Step 1 - Getting a Drop of Blood	18
Step 2 – Testing Blood Glucose	22
“HI” and “LO” Messages.....	25
Using the Meter Memory	28
Viewing Stored Records.....	28
Clearing the Memory.....	29
Manually Transferring Records by <i>Bluetooth®</i> Wireless Technology	30
Performing a Quality Control Test.....	32
Maintenance.....	35
Replacing the Battery	35
Caring for Your <i>On Call® Express Mobile</i> Blood Glucose Monitoring System.....	36
Electrical Safety and Standards	39
FCC compliance	39
<i>Bluetooth®</i> Notice	40
<i>On Call® Express Mobile</i> Blood Glucose Meter Preventive Warnings with Regard to EMC:	40
Suggested Testing Times and Target Goals.....	41
Comparing Meter and Laboratory Results.....	43
Troubleshooting Guide	44
Specifications	46
Warranty	47
Index.....	48

Getting Started

Before testing, read the instructions carefully. Learn about all the components of your *On Call® Express Mobile* Blood Glucose Monitoring System. Depending on the *On Call® Express Mobile* product you purchased, you may need to buy some accessories separately (please contact Customer Service at 1-800-838-9502 for purchasing). Please check the list of contents on the outer box for details on which components are included with your purchase.



Blood Glucose Meter



Test Strip



Lancing Device



Clear Cap



Sterile Lancet



Control Solution



Carrying Case

Component Descriptions

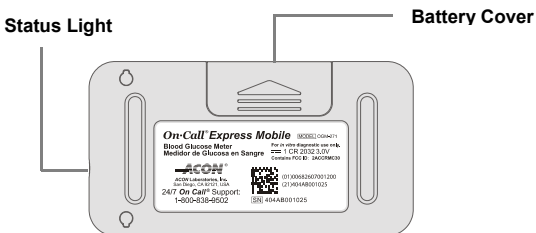
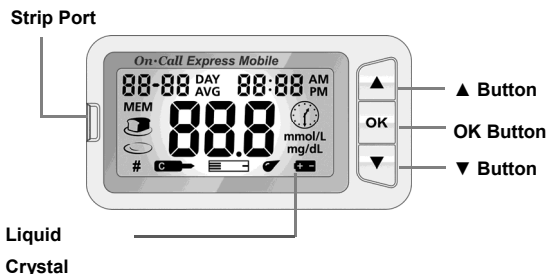
1. *On Call® Express Mobile* Blood Glucose Meter: Reads the test strips and displays the blood glucose level.
2. *On Call® Express* Blood Glucose Test Strips: Equipped with a chemical reagent system. They measure glucose concentration in blood when inserted into the meter.
3. *On Call®* Lancing Device: Used with sterile lancets to prick the fingertip, palm (at the base of the thumb) or forearm for blood sample collection. The packaged lancing device has multiple depth settings. Allows users to adjust the depth of the puncture to minimize discomfort. It can also eject the used lancets.
4. *On Call®* Lancing Device Clear Cap: Used with the lancing device and sterile lancet to draw a blood sample from the forearm and palm.
5. Sterile Lancets: Used with the lancing device to draw a blood sample. Sterile lancets are inserted into the lancing device prior to each blood sampling. Discard after use.
6. *On Call® Express* Blood Glucose Control Solution: Confirms that the blood glucose monitoring system is properly working. Use this solution in place of a blood sample to check the test strips and meter for a pre-calibrated reading. Three levels of control solution are included in the *On Call® Express* Glucose Control Solution kit (sold separately). Control Solution 1 is all you will need most of the time. Additional testing may be performed with Control Solution 0 and Control Solution 2 if you think your meter and test strips are not working properly. Please contact Customer Support at 1-800-838-9502 to order the *On Call® Express* Glucose Control Solution kit.
7. Carrying Case: Makes this blood glucose testing system easy to carry anywhere.
8. *On Call® Express Mobile* User's Manual: Provides detailed instructions on using the blood glucose monitoring system.
9. *On Call® Express Mobile* Quick Reference Guide: Provides a brief overview of the blood glucose monitoring system and testing procedures. This small guide can be kept in your carrying case.
10. *On Call® Express Mobile* Quick Start Guide: Provides a brief overview of the *On Call® Express* blood glucose meter setup. This small guide can be kept in the carrying case.
11. Logbook: Allows users to record their blood glucose data. Used to identify any trends.
12. Warranty Card: Should be completed and returned to the Warranty Center. Qualifies your meter for the 5-year warranty.

Note: Important Safety Instructions

1. The meter and lancing device are for single patient use. Do not share them with anyone!
2. All parts of the kit are considered bio-hazardous. They can potentially transmit infectious diseases, even after you have performed cleaning and disinfection. Please follow proper precautions when handling your meter and lancing device.
3. Cross-use of meter and lancing device may cause Bloodborne Pathogens Transmission. For more information, please refer to the FDA Public Health Notification: "Use of Fingerstick Devices on More than One Person Poses Risk for Transmitting Bloodborne Pathogens: Initial Communication" (2010) at <http://www.fda.gov/MedicalDevices/Safety/AlertsandNotices/ucm224025.htm>. You may also refer to the CDC Clinical Reminder: "Use of Fingerstick Devices on More than One Person Poses Risk for Transmitting Bloodborne Pathogens" (2010) at <http://www.cdc.gov/injectionsafety/Fingerstick-DevicesBGM.html>.

On-Call® Express Mobile Blood Glucose Meter

The meter reads the test strips and displays the blood glucose concentration. Use these diagrams to familiarize yourself with all the parts of your meter.



Liquid Crystal Display (LCD): Shows your test results and helps you through the testing process.

▲ Button: Recalls previous test results from the meter memory, selects meter settings and performs other menu selection functions.

▼ Button: Recalls next test results from the meter memory, selects meter settings and performs other menu selection functions.

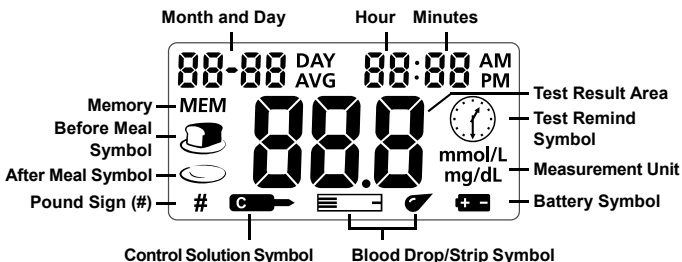
Strip Port: Test strips are inserted into this area to perform a test.

OK Button: Used to confirm the selection and enter the set up mode.

Battery Cover: Remove the battery cover to install one CR 2032 coin cell battery.

Status Light: The light blinks to indicate the meter is searching for a paired device and stays illuminated when data is transferring.

Meter Display



Battery Symbol: Warns you when you should replace the battery.

Blood Drop / Strip Symbol: Wait for the Blood Drop / Strip Symbol to appear before applying the sample. These two symbols appear at the same time.

Pound Sign (#): Appears with the control solution test result or when you mark an invalid result to prevent it from being included in the average.

Control Solution Symbol: Indicates a control test result. A pound sign (#) will also be displayed when control solution symbol appears.

Test Result Area: Indicates a test result.

Measurement Unit: Only one unit will be displayed on your meter. It cannot be adjusted.

Memory: Shows a test result stored in memory.

Before Meal Symbol: Appears when before-meal test results are displayed.

After Meal Symbol: Appears when after-meal test results are displayed.

Test Remind Symbol: Appears to remind you to test your blood glucose.

Meter Use and Precautions

- Wait for the Blood Drop / Strip Symbol to appear before applying the sample.
- The meter is preset to display blood glucose concentration in either millimoles per liter (mmol/L) or milligrams per deciliter (mg/dL). This depends on your country's standard unit of measurement. This unit of measure cannot be adjusted. The meter will be set to mg/dL by default when sold in the United States.
- The meter will shut off automatically after 2 minutes of inactivity.
- Do not get water or other liquids inside the meter.
- Keep the strip port area clean.
- Keep your meter dry. Avoid exposing it to extreme temperatures or humidity. Do not leave it in your car. Please use the meter in door.
- Do not drop the meter or get it wet. If you do drop the meter or get it wet, check the meter by running a quality control test. Refer to **Quality Control Test** on page **33** for instructions.
- Do not take the meter apart. This will void the warranty.
- Refer to the **Caring for Your Meter** section on page **37** for details on cleaning the meter.
- Keep the meter and all associated parts out of the reach of children.

Note: Follow proper precautions and all local regulations when disposing of the meter and used battery.

On Call® Express Blood Glucose Test Strips

The *On Call® Express* Blood Glucose Test Strips are thin strips. The strips have a chemical reagent system. They work with the *On Call® Express Mobile* Blood Glucose Meter to measure the glucose concentration in whole blood. After the strip is inserted into the meter, blood is applied to the sample tip of the test strip. The blood is then automatically absorbed into the reaction cell where the reaction takes place. A transient electrical current is formed during the reaction. The blood glucose concentration is calculated based on the electrical current detected by the meter. The result is shown on the meter display. The meter is set to display plasma equivalent results.

Sample Tip

Apply blood or control solution here.



Check Window

Check to confirm that a sufficient sample has been applied.

Contact Bars

Insert this end of the test strip into the meter until it stops.

IMPORTANT: Apply sample only to the sample tip of the test strip. Do not apply blood or control solution to the top of the test strip. This may result in an inaccurate reading.

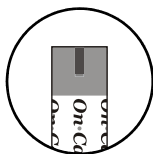


Correct

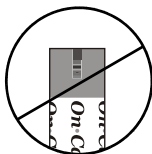


Incorrect

Hold the blood drop to the sample tip of the test strip until the check window is completely full and until the meter begins to count down. If you applied blood but do not see the countdown start, you may reapply a second drop of blood within 3 seconds. If the check window does not fill and the meter starts to count down, then do not add more blood to the test strip. If you do then you may get an E-5 message or an inaccurate test result. In this case, if the meter begins to count down and the check window does not fill, discard the strip and begin the test again with a new test strip.



Correct



Incorrect

Storage and Handling

Please review the following storage and handling instructions:

- Store test strips in a cool, dry place. Store them at 41-86°F (5-30°C). Store test strips away from heat and direct sunlight.
- Do not freeze or refrigerate.
- Do not store or use test strips in a humid place such as a bathroom.
- Do not store the meter, the test strips or control solution near bleach or cleaners that contain bleach.
- The test strip should be used immediately after removing it from the container.
- Repeated insertion and removal of a test strip into the meter strip port may result in reading errors.
- Do not use your test strips past the unopened expiration date. The unopened expiration date is printed on the label. This may produce incorrect test results.

Note: The expiration date is printed in Year-Month-Date format. 2020-12-31 means December 31th, 2020.

Special Instructions for Test Strips in the Vial

- Test strips must be stored in the original vial with the cap tightly closed. This keeps them in good working condition.
- Do not transfer test strips to a new vial or any other container.
- Replace the cap on the test strip vial immediately after removing a test strip.
- A new vial of test strips may be used for 6 months after being first opened. Write the opened expiration date on the vial label after opening. Discard the vial 6 months after you first open it. Usage after this period may result in inaccurate readings.

Special Instructions for Test Strips in the Foil Pouch

- Do not use test strips after the unopened expiration date printed on the pouch.
Note: All expiration dates are printed in Year-Month-Date format. 2020-12-31 indicates December 31th, 2020.
- Tear the pouch carefully starting from the tear gap. Avoid damaging or bending the test strip.
- Use the test strip immediately after removing it from the pouch.

Test Strips Precautions

- For *in vitro* diagnostic use. Test strips are to be used only outside the body for testing purposes.
- Do not use test strips that are torn, bent, or damaged in any way. Do not reuse test strips.
- Keep the test strips vial or the foil pouch away from children and animals.
- Consult your doctor before making any changes in your treatment plan based on your blood glucose test results.
- Not intended for the diagnosis of, or screening of, diabetes mellitus.
- Not for use on critically ill patients, patients in shock, severely dehydrated patients or hyperosmolar patients (with or without ketosis).
- Not for use on neonates.

Consider alternate site testing when

- You are in a fasting state.
- You are testing before a meal.
- Two hours have passed since your last meal.
- Two hours have passed since your last insulin dosing.
- Two hours have passed since your last physical activity.

Use fingertip testing when

- It is less than two hours since your last meal.
- It is less than two hours since your last insulin dosing.
- It is less than two hours since your last physical activity.
- You have a history of hypoglycemia, are experiencing signs of low blood sugar, or suffer from hypoglycemic unawareness.
- You are ill or feeling stressed.
- Your AST result is not consistent with how you feel.

See the test strip insert for more details.

On Call® Express Glucose Control Solution

The *On Call® Express* Glucose Control Solutions contain known concentrations of glucose. They are used to confirm that your *On Call® Express Mobile* Blood Glucose Meter and *On Call® Express* Glucose test strips are working properly together. They also confirm that you are performing the test correctly. It is important to run a quality control test regularly to make sure you are getting correct results. Control Solution 1 is all you will need most of the time. Additional testing may be performed with Control Solution 0 and Control Solution 2 if you think your meter and test strips are not working properly. Please contact Customer Support at 1-800-838-9502 to order the *On Call® Express* Glucose Control Solution kit.

You should run a quality control test:

- Before you first use your meter, to familiarize yourself with its operation.
- Before using a new box of test strips.
- When you suspect that the meter or test strips are not working properly.
- When you suspect that your test results are inaccurate, or if they are inconsistent with how you feel.
- When you suspect that your meter is damaged.
- After cleaning your meter.
- At least once a week.



Refer to **Quality Control Test** on page **33** for instructions on running a quality control test.

Storage and Handling

Please review the following storage and handling instructions:

- Store in a cool, dry place between 41-86 °F (5-30 °C) and 10-90% relative humidity and keep out of direct sunlight.
- Do not refrigerate or freeze.
- If the control solution is cold, do not use until it has warmed to room temperature.
- Do not use control solution after the unopened expiration date printed on the bottle.

Note: All expiration dates are printed in Year-Month-Date format. 2020-12-31 indicates December 31th, 2020.

- Use control solution only for 6 months after you first open the bottle. After 6 months it will expire. Write the opened expiration date on the bottle label after opening.

Control Solution Precautions

- For *in vitro* diagnostic use. The control solution is for testing only outside the body. Do not swallow or inject.
- Shake well before using.
- Control solution tests are designed to be accurate only when tested between 50 and 104 °F (10-40 °C).
- The control ranges shown on the test strip vial (or on the foil pouch) are not recommended ranges for your blood glucose level. Your personal blood glucose target ranges should be determined by your doctor.
- Do not touch the test strip with the tip of the control solution bottle.
- Use only the same brand of control solution that was provided with your kit.

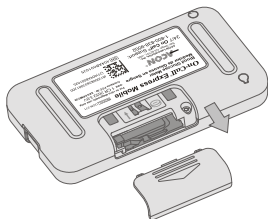
Please contact Customer Support at 1-800-838-9502 to obtain more control solution materials. See the control solution package insert for more details.

Installing the Battery

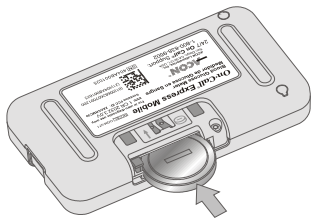
If the batteries have been preinstalled in the meter, a plastic tab will be protruding from the battery. Simply pull on the tab to remove the plastic strip.

The battery may not be preinstalled in the meter. The meter requires one CR 2032 3.0 V coin cell battery. Please find the battery in your carrying case and install it according to the following steps:

1. Turn over the meter and slide the battery cover off the top of the meter.



2. Insert one CR 2032 3.0 V coin cell battery into the battery carrier. Make sure it is aligned with the plus (+) facing down.



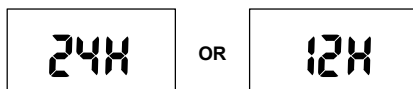
3. Slide the battery cover back on and make sure that it snaps shut.

Meter Setup Before Testing

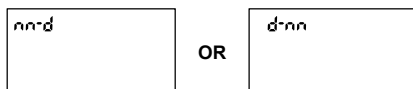
Before using your meter for the first time, you will need to adjust the settings that are listed in detail below.

- Meter Setup Mode:** Press the OK button for 2 seconds to enter the meter setup mode. The meter will automatically enter the setup mode when turned on for the first time or every battery change.
- Clock:** Set the clock to 12 or 24 hour mode. Press the ▲ or ▼ button to switch between the two settings. Then press the OK button to save your choice. Now you can start to set the Date Format.

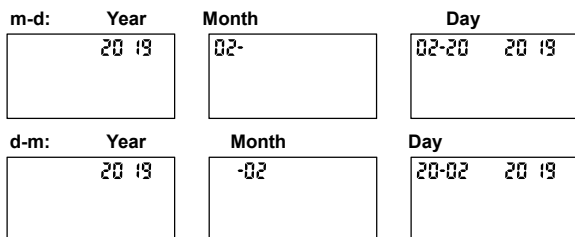
Note: The clock needs to be reset after replacing the battery.



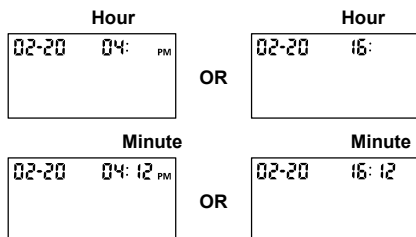
- Date Format:** m-d or d-m will appear at the top of the display to indicate either a month-day-year format or a day-month-year format. Press the ▲ or ▼ button to switch between the two settings. Then press the OK button to save your choice.



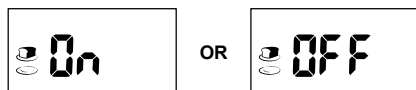
- Date:** The year will appear at the top of the display. Press the ▲ or ▼ button to increase or decrease the year. Once you have selected the correct year, press the OK button to save your choice. Then you can start to set the month. Press the ▲ or ▼ button to increase or decrease the month. Then press the OK button to save your choice. You can now select the day. Press the ▲ or ▼ button to increase or decrease the date. Then press the OK button to save your choice. Then you can start to set the time.



5. **Time:** The hour will appear at the top of the display. Press the ▲ or ▼ button to change to the correct hour. Press the OK button to save your choice and set the minutes. Press the ▲ or ▼ button to change to the correct minute. Press the OK button to save your choice. You can then start to set the meal marker feature.

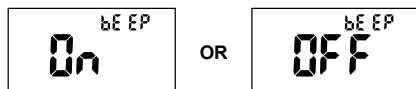


6. **Meal Marker:** The meter comes with the meal marker feature disabled. The meter allows the user to enable or disable this option. The words “On” or “Off” will be displayed on the large center segments of the display. The before meal symbol together with the after meal symbol will be displayed as shown below.



Press the ▲ or ▼ button to switch between turning the meal marker “On” and “Off”. Press the OK button to confirm your selection.

7. **Audio Feature:** The meter comes with the meter audio feature enabled. There will be a short beep when it is turned on, after sample detection and when the result is ready. The meter will sound three short beeps to sound a warning when an error has occurred. Please check the error number on the display to confirm what kind of error has occurred.



Press the ▲ or ▼ button to turn the meter beep “On” or “Off”. Press the OK button to confirm your selection.

8. **Test Reminder:** Test reminders are a useful way to remind you when to test. You can set 1 to 5 reminders per day. Your meter is preset with the test reminder disabled. You must turn it on to use this feature.

- Press the ▲ or ▼ button to turn the first Test Reminder “On” or “Off”. Press the OK button to confirm your selection. When the Test Reminder is “Off”, pressing the OK button will go to the set up of the second Test Reminder. When the Test Reminder is “On”, pressing the OK button will go to the set up of the time for the first Test Reminder. Press the ▲ or ▼ button to adjust the first Test Reminder time. Press the OK button to confirm the first Test Reminder time and then go to the second Test Reminder set up.
- When the Test Reminder is “Off” during the second Test Reminder set up, pressing the OK button will go to the set up of the third Test Reminder. When the Test Reminder is “On”, pressing the OK button will go to the set up of the time for the second Test Reminder. Press the ▲ or ▼ button to adjust the second Test Reminder time. Press the OK button to confirm the second Test Reminder time and then go to the third Test Reminder set up.
- Repeat the same set up procedure for Test Reminder 3, 4 and 5.

If one or more test reminders have been set, the reminder symbol will always appear on the LCD screen when the meter is turned on. The display sample is shown below.



The meter beeps 5 times when it is first set. It will beep again two minutes later, and two minutes after that unless you insert a test strip. This function will still work with Audio feature turned off.

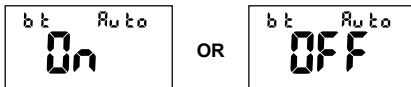
When the meter beeps at the time set by the Test Reminder feature, the date, time and strip symbols will be displayed, and the test reminder symbol will flash. The display sample is shown below.



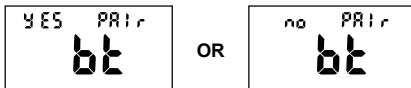
Note: For any step of the setup, if the ◀ button is pressed and held, it will allow a faster adjustment.

Device Pairing

1. **Bluetooth® Auto-Send:** The meter comes with the *Bluetooth®* auto-send feature enabled. This feature will allow your glucose result to automatically be sent to your mobile device if the glucose meter and the mobile device are paired and within range. The meter allows the user to enable or disable this option. Press the ▲ or ▼ button to select whether data is automatically sent to the default paired device after each test. The words “bt” “Auto” “On” or “bt” “Auto” “Off” will be shown on the display. Press the OK button to confirm your selection.

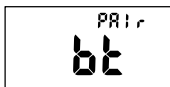


2. **Bluetooth® Pairing:** Before any data can be sent via *Bluetooth®* wireless with either the Auto-send option or manual *Bluetooth®* transmission, the glucose meter and the mobile device must be paired. From this setting, “bt” will appear on the screen with either “yES” or “no” and “PAIr” at the top of the display. press the ▲ or ▼ button to change the setting.



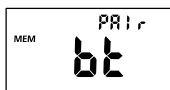
If no new devices need to be paired, select the “no” option and press the OK button to exit the setup. If you have a new device that needs to be paired with the glucose meter or you have a new meter that has never been paired with a mobile device, select the “yes” option and press the OK button to enter pairing mode.

In pairing mode, “bt” displays along with the word “PAIr” blinking at the top of the display. The green Status Light on the side of the meter will also blink to indicate the meter is attempting to connect with the mobile device. When prompted to pair by your mobile device, proceed to enter in the last 6 digits of the meter serial number (located on the back of the Bluetooth meter).



Once the pairing is completed successfully, the word “PAIr” stops blinking and the “MEM” symbol displays to show that the device is paired and stored in the

meter's memory. Press the OK button to exit the setup or the meter will automatically shut off after 30 seconds of inactivity.



Testing Your Blood

The following steps will show you how to use the meter, test strips, lancing device and sterile lancets together to measure your blood glucose level.

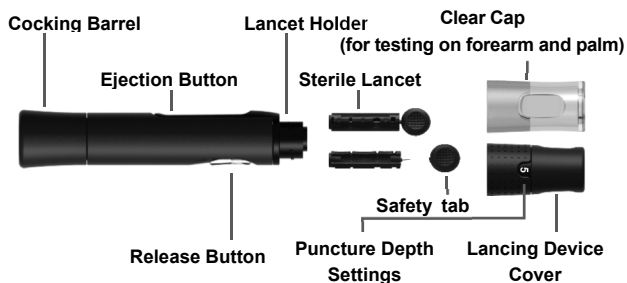
Step 1 - Getting a Drop of Blood

The *On Call® Express Mobile* Blood Glucose Monitoring System requires a very small drop of blood. The blood may be obtained from the fingertip, palm (at base of the thumb) or forearm. Before testing, choose a clean, dry work surface. Familiarize yourself with the procedure and make sure you have all the items needed to obtain a drop of blood.

IMPORTANT: Prior to testing, wipe the test site with an alcohol swab or soapy water. Use warm water to increase blood flow if necessary. Dry your hands and the test site thoroughly. Make sure there is no alcohol, soap or lotion on the test site.

Potential Biohazard

All blood glucose measuring systems are considered bio-hazardous. All products or objects which come in contact with human blood, even after cleaning, should be handled as if capable of transmitting viral diseases. The meter and lancing device are for single patient use. Do not share them with anyone including other family members! Do not use on multiple patients. All parts of the kit are considered bio-hazardous and can potentially transmit infectious disease, even after you have performed cleaning and disinfection. Always wash your hands well with soap and water before and after handling the meter, lancing device, or test strip.

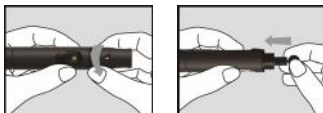


Note: Never share lancets or the lancing device with others. Cross-use of meter and lancing device may cause blood borne pathogens transmission. Always use a new sterile lancet. Lancets are for single use only. Wash hands thoroughly with soap and water after handling the meter, the lancing device, or the test strips for testing.

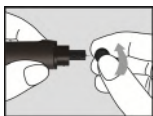
Fingertip Testing

For fingertip sampling, adjust the depth penetration to reduce the discomfort. You do not need the clear cap for fingertip sampling.

1. Unscrew the lancing device cover from the body of the lancing device. Insert a sterile lancet into the lancet holder and push it until the lancet comes to a complete stop in the lancing device.



2. Hold the lancet firmly in the lancet holder and twist the safety tab of the lancet until it loosens, then pull the safety tab off the lancet. Save the safety tab for lancet disposal.



3. Carefully screw the cover back onto the lancing device. Avoid contact with the exposed needle. Make sure the cover is fully sealed on the lancing device.



4. Adjust the puncture depth by rotating the lancing device cover. There are a total of 11 puncture depth settings. To reduce discomfort, use the lowest setting that still produces an adequate drop of blood.

Adjustment:

- | | |
|---------|-----------------------------|
| 0 – 1.5 | for delicate skin |
| 2 – 3.5 | for normal skin |
| 4 – 5 | for calloused or thick skin |

Note: Increased pressure of the lancing device against the finger will also increase the puncture depth.



5. Pull the cocking barrel back to set the lancing device. You may hear a click while the release button changes to yellow color to indicate the lancing device is now loaded and ready for obtaining a drop of blood.



6. Prior to testing, wipe your hands with an alcohol swab or wash your hands with soap. Use warm water to increase blood flow in your fingers if necessary. Dry your hands thoroughly. Massage the hand from the wrist up to the fingertip a few times to encourage blood flow.



7. Hold the lancing device against the side of the finger to be lanced with the cover resting on the finger. Push the release button to prick your fingertip. You should hear a click as the lancing device activates. Gently massage from the base of the finger to the tip of the finger to obtain the required amount of blood. Avoid smearing the drop of blood.



Note: For the greatest reduction in pain, lance on the sides of the fingertips. Rotation of sites is recommended. Repeated punctures in the same spot can make your fingers sore and callused.

Forearm and Palm Testing

The forearm and palm areas have less nerve endings than the fingertip, for that reason, you may find that obtaining blood from these sites is less painful than from the fingertip. The procedure for forearm and palm sampling is different. You need the clear cap to draw blood from these sites. The clear cap is not adjustable for puncture depth.

IMPORTANT: There are important differences among forearm, palm and fingertip samples that you should know. Important information about forearm and palm glucose testing:

- You should consult your doctor before choosing to perform forearm or palm testing.
- When blood levels are changing rapidly such as after a meal, an insulin dose or exercise, blood from the fingertips may show these changes more rapidly than blood from other areas.
- Fingertips should be used if testing is within 2 hours of a meal, an insulin dose or exercise and any time you feel your glucose levels are changing rapidly.
- You should test with the fingertips anytime there is a concern for hypoglycemia or you suffer from hypoglycemia unawareness.
- Alternative Site Testing (AST) should not be used to calibrate continuous glucose monitors (CGMs) nor for use in insulin dose calculations.

Please refer to **Fingertip Testing** to insert the lancet and load the lancing device.

1. Screw the clear cap onto the lancing device.



2. Choose a puncture site on the forearm or palm. Select a soft, fleshy area of the forearm or palm that is clean and dry, away from bone, and free of visible veins and hair.



Note: To bring fresh blood to the surface of the puncture site, massage the puncture site vigorously for a few seconds until you feel it getting warm.

3. Place the lancing device against the puncture site. Press and hold the clear cap against the puncture site for a few seconds. Press the release button of the lancing device. **Do not immediately lift the lancing device** from the puncture site. Continue to hold the lancing device against the puncture site until you can confirm a sufficient blood sample has formed.



Disposal of the Lancet

1. Unscrew the lancing device cover. Place the safety tab of the lancet on a hard surface. Carefully insert the lancet needle into the safety tab.



2. Press the release button to make sure that the lancet is in the extended position. Slide the ejection button forward to discard the used lancet. Place the lancing device cover back on the lancing device.



Lancet Precautions

- Do not use the lancet if the safety tab is missing or loose when you take the lancet out of the bag.
- Do not use the lancet if the needle is bent.
- Use caution whenever the lancet needle is exposed.
- Never share lancets or the lancing device with other people.
- In order to reduce the risk of infection from prior use of the instrument, always use a new, sterile lancet. Do not reuse lancets.
- Avoid getting the lancing device or lancets dirty with hand lotion, oils, dirt or debris.
- For Alternative Site Testing (AST), if the current lancets are not obtaining enough blood due to skin or other conditions, please contact Customer Support at 1-800-838-9502 for information on different lancet options.

Step 2 – Testing Blood Glucose

Note: Insertion of a new test strip at any time, except while in the data transfer mode (See page 31) will cause the meter to automatically enter the test mode.

1. Insert a test strip into the strip port, contact bars end first and facing up. This will turn on the meter and display all the display segments. If the audio option is on, the meter will beep when the meter is turned on.
2. Check the display to confirm that all the display segments turn on with no missing components. The display will then show only the date and time, with a

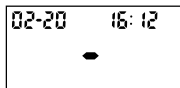
dash moving across the display. Check the display to ensure no inappropriate segments or icons are permanently turned on.



NOT READY



NOT READY



NOT READY

- Following this display check, the system will enter the test mode. The display will show the date and time, and the strip icon with the blood sample icon blinking, to indicate that the test strip is inserted correctly and that a drop of blood can be added. If the test strip has been inserted incorrectly, the meter will not turn on. The meter is ready for testing when the blinking blood drop and strip symbol appears. At this time a blood drop can be added.



READY TO TEST

- Touch the blood drop to the sample tip at the end of the test strip. If the audio option is turned on, the meter will beep to indicate that the sample is sufficient and the measurement has started. If you applied a drop of blood, but do not see the countdown begin, you may reapply a second drop of blood within 3 seconds.



DO NOT:

- Apply the sample to the front or back of the test strip.
 - Smear the blood drop onto the test strip.
 - Press your finger against the test strip.
- The meter will count down from 3 to 1 and then display the measurement's result. The meter will also beep to indicate that the measurement is complete, then your blood glucose level will display on the screen. The measurement's unit, date, and time of the test will also be displayed.



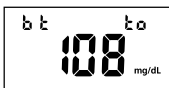
Blood Glucose results are automatically stored in the memory. To mark invalid results and prevent them from being included in the 7, 14, 30, 60 and 90-day averages, press the ▲ or ▼ button. A pound sign (#) will appear on the display to show that the result will not be included when calculating the 7, 14, 30, 60 and 90-day averages. If a result is marked by accident, press the ▲ or ▼ button to unmark the result. After marking the invalid result with a pound sign (#), press the OK button to confirm the invalid result. After marking the invalid result, run the test again with a new test strip.

When the meal marker feature is turned on, the test result is displayed along with the suggested default meal marker based upon current time. The “before meal” or “after meal” symbol is flashing until confirmed by pressing the OK button. The meter allows the user to change the meal marker. Press the ▲ or ▼ button to switch the marker from “before meal”, “after meal”, no marker or invalid result. After deciding the selection, press the OK button to confirm the selection for either “before meal marker”, “after meal marker”, “invalid result pound sign” or none of these three symbols. If an invalid result is marked, run the test again with a new test strip.

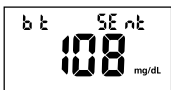
When the *Bluetooth*® Auto-Send feature is turned on and the meal marker feature is turned on, the meter allows the user 15 seconds to press the ▲ or ▼ button to change the meal marker before going into automatic *Bluetooth*® transmission. If the *Bluetooth*® Auto-Send feature is turned on but the meal marker feature is not, the meter will instantly go into automatic *Bluetooth*® transmission after displaying the glucose result.



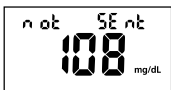
When the meter begins automatic *Bluetooth*® transmission, the glucose reading remains on the display and the words “bt” and “to” appear at the top of the display.



Once the transmission has finished, the words “bt” and “SEnt” appear at the top of the display.



If the transmission was interrupted and the data transfer failed, the words “not” and “SEnt” appear at the top of the display.



Notes:

- The default “before meal” time periods are 5:00-7:59, 10:00-11:59 and 15:00-17:59
- The default “after meal” time periods are 8:00-9:59, 12:00-14:59 and 18:00-20:59

If an error message appears on the display, refer to the **Troubleshooting Guide** on page 45. If a “HI” or “LO” error appears on the display, refer to “HI” and “LO” messages below.

6. Record valid results in your logbook with the date and time, and compare them to the target goals set by your doctor. Refer to **Suggested Testing Times and Target Goals** on page 42 or your logbook for more details on your target blood glucose level goals.
7. Remove and discard the used test strip.

Note: Dispose of blood samples and materials carefully. Treat all blood samples as if they are infectious materials. Follow proper precautions and obey all local regulations when disposing of blood samples and materials.

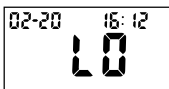
“HI” and “LO” Messages

The meter can accurately measure blood glucose concentrations between 20 to 600 mg/dL. “HI” and “LO” messages indicate results outside of this range.

If “HI” appears on the display, the measured concentration value is above 600 mg/dL. The test should be retaken to ensure that no mistake was made in the procedure. If you are certain the meter is functioning properly and no mistakes were made in the procedure, and your blood glucose is still consistently measured as “HI”, it indicates severe hyperglycemia (high blood glucose). You should contact your doctor immediately.



If "LO" appears on the display, the measured concentration value is below 20 mg/dL. The test should be retaken to ensure that no mistake was made in the procedure. If you are certain the meter is functioning properly and no mistakes were made in the procedure, and your blood glucose is still consistently measured as "LO", it may indicate severe hypoglycemia (low blood glucose). You should treat yourself for hypoglycemia immediately as recommended by your doctor.



Precautions and Limitations

- The *On Call® Express Mobile* meters, the *On Call® Express* test strips and other components have been designed, tested and proven to work together effectively to provide accurate blood glucose measurements. Do not use components from other brands.
- The *On Call® Express* Test Strips test fresh capillary whole blood. Do not use with serum or plasma samples.
- The *On Call® Express Mobile* Blood Glucose Monitoring Systems are for self-testing users to test fresh capillary blood. For over the counter sale. Never test blood that has been placed in test tubes containing fluoride or other anticoagulants. This will cause falsely low results.
- Very high (above 60%) and very low (below 25%) hematocrit levels can cause false results. Talk to your doctor to find out your hematocrit level.
- The system is tested to accurately read the measurement of glucose in whole blood within the range of 20-600 mg/dl.
- Fatty substances have no major effect on test results. These include triglycerides up to 3,000 mg/dl or cholesterol up to 500 mg/dl.
- Ascorbic acid (vitamin C) when occurring in blood at normal or at high therapeutic concentration does not significantly affect results. However, abnormally high concentration (> 3 mg/dl) in blood may cause inaccurately high results.
- The *On Call® Express Mobile* Blood Glucose Monitoring Systems have been

tested to work properly up to 8,516ft (2,595 meters).

- Not for use on critically ill patients, patients in shock, severely dehydrated patients or hyperosmolar patients (with or without ketosis).
- Dispose of blood samples and materials with care. Treat all blood samples as if they are infectious materials. Follow your doctor's recommendations for disposal.

Using the Meter Memory

The meter automatically stores up to 500 test records. Each record includes the test result, time and date. If there are already 500 records in memory, the oldest record will be erased to make room for a new one.

The meter will also calculate the average values of records from the last 7, 14, 30, 60 and 90 days.

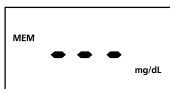
Viewing Stored Records

To view stored records:

1. Press the ▲ button to turn the meter on and enter memory mode. The most recent value and the word “MEM” will appear on the display.



2. If you are using the meter for the very first time, the meter display will show three dashed lines (---), the word “MEM” and the unit of measure. This shows that no data have been stored in memory.



3. The date and time will be displayed together with the results stored in memory. A pound sign (#) indicates records that will be omitted from the 7, 14, 30, 60 and 90-day averages.
4. Press the ▲ or ▼ button to view the previous or next stored records.
Press the OK button to view the data averages. The words “DAY AVG” will appear on the screen.
5. While in data average mode:

- If the meal marker feature is off, press the ▲ or ▼ button to switch between the general 7, 14, 30, 60 and 90-day averages.
- If the meal marker feature is on, press the ▲ or ▼ button to switch between the 7, 14, 30, 60 and 90-day general, pre-meal and post-meal averages.

The meter will calculate the average that you selected. The number of records used in the DAY AVG will also appear in the display.

Note: Only test results that have been marked as “before meal” or “after meal” are included in pre-meal and post-meal averages. All blood glucose results are included in the general 7, 14, 30, 60 and 90-day averages.



6. If there are fewer than 7, 14, 30, 60 and 90 days in memory, all the readings without the pound (#) sign currently stored in memory will be averaged instead.

If you are using the meter for the very first time, no value will appear on the display. This means that no records have been stored in memory. If you have not marked any results as “before meal” or “after meal”, no value will appear on the display for the pre-meal or post-meal averages. This means that no records have been stored as “before meal” or “after meal” in memory.

7. Press the OK button to turn off the display.

Note: Results from quality control tests will not be included in the averages. When viewing results in memory, these values are marked with a pound sign (#) to show that they will not be included in the 7, 14, 30, 60 and 90-day averages.

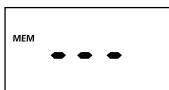
Clearing the Memory

Take extreme caution when clearing the memory as this is not a reversible operation. To clear the memory:

1. With the meter off, press and hold the ▲ button for two seconds. This will turn on the meter and enter the delete mode.



2. To clear the memory, press and hold both the ▲ and ▼ buttons for two seconds.
3. The display will show “MEM” and “---”. The meter will clear its memory and turn itself off after a moment.



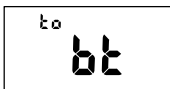
4. If you entered the delete mode but want to exit without deleting the recorded

data, press the OK button. This will turn the meter off without deleting any data. Please refer to **Fingertip Testing** to insert the lancet and load the lancing device.

Manually Transferring Records by *Bluetooth*® Wireless Technology

Instead of transferring data immediately after completing the blood glucose measurement when auto-send function is on, the meter can also wirelessly transfer your stored diabetes information manually when you choose to send the data. You will need the mobile application on your mobile device to accept the meter's data. Please contact Customer Support at 1-800-838-9502 for current mobile app compatibility.

1. Turn on *Bluetooth*® to the discoverable state and launch the app in your mobile device to connect to the glucose meter. Press and hold both the ▼ and ▲ buttons for two seconds. The meter will display "bt" mode along with word "to" blinking. The green Status Light on the side of the meter will also blink to indicate the meter is attempting to connect wirelessly to the mobile device. After several seconds, the word "to" will stop blinking, indicating a successful connection to the mobile device.



Note: When meter is in "bt" mode, sample application mode cannot be activated after a strip is inserted into the meter. Do not insert test strips and attempt to test blood glucose while the meter is in "bt" mode.

2. Once the data transfer is complete, the meter will display "SEnt" and "bt".



3. After data transfer from meter to your device is complete, press the OK button to turn off the meter. If nothing else happens 2 minutes after data transfer is completed, the meter will automatically turn off. In this case press both the ▼ and ▲ buttons to enter "bt" mode again if needed.

Warning: Never break the connection between the meter and mobile device while *Bluetooth*® data transfer is in progress, for example by turning off the meter or removing the battery. Do not put the *On Call*® Express Mobile Meter on a metal

surface or in a metal box or enclosure. This may affect its ability to transfer data.

Note: Peripheral equipment which is intended to be connected with meter shall conform to relevant safety standard.

Performing a Quality Control Test

The quality control test confirms that the test strips and meter are working together properly; it also confirms that you are performing the test correctly. It is important to perform this test:

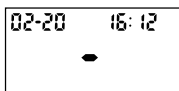
- Before you first use your meter.
 - Before using a new box of test strips.
 - When you suspect that the meter or test strips are not working properly.
 - When you suspect that your test results are inaccurate, or if they are inconsistent with how you feel.
 - When you suspect your meter is damaged.
 - After cleaning your meter.
 - At least once a week.
1. Insert a test strip into the strip port, contact bars end first and facing up. It will turn on the meter and display all the display segments. If the audio option is on, the meter will beep, signaling that the meter is turned on.
 2. Check the display to confirm that all the display segments turn on. Next, a dash will move across the display.



NOT READY



NOT READY



NOT READY

3. Following this display check, the system will enter the test mode. The display will show the date time and the strip icon with the blood sample icon blinking to indicate that the test strip is inserted correctly.

Note: If the test strip has been inserted incorrectly, the meter will not turn on.



NOT READY

4. Press the ▲ button to mark the test as a control solution test. Once the ▼ button is pressed, the control solution symbol will appear on the display. It indicates that a drop of control solution can be added.



READY TO TEST

- Shake the control solution bottle well. Squeeze it gently and discard the first drop. If the tip clogs, tap the tip gently on a clean, hard surface. Then shake again and use. Squeeze out a second small drop on a clean nonabsorbent surface. Touch the sample tip of the test strip to the control solution drop. If the audio option is turned on, the meter will beep to indicate a sufficient sample has been applied.



Notes:

- Do not apply control solution to the test strip directly from the bottle.
 - If you applied the control solution sample but do not see the starting of the count down, you may reapply a second drop within 3 seconds.
- Once a sufficient sample has been applied, the meter display will count down from 3 to 1. Then the result and a control solution symbol will be displayed on the screen. The control solution test results should be within the control range (CTRL 1) printed on the test strip vial (or on the foil pouch). This means that your blood glucose monitoring system is working properly and that you are performing the procedure correctly.



The meter will be set to mg/dL by default when sold in the United States.

Note: The control solution range is the expected range for the control solution results. It is not a recommended range for a blood glucose level.

- Remove and discard the used test strip.

The display should also show a pound sign (#) indicating the test is a control solution test. This shows that the number will not be counted in the 7, 14, 30, 60 and 90-day averages. The pound sign (#) will also be displayed when reviewing the results stored in memory.

If the result falls outside the indicated control range:

- Confirm you are matching the correct range. Control Solution 1 results should be matched to the CTRL 1 range printed on the test strip vial (or on the foil pouch).
- Check the expiration date of the test strip and control solution. Make sure that the test strip vial and control solution bottle have not been opened for more than 6 months. Discard any test strips or control solution that has expired.
- Confirm the temperature in which you are testing is between 50 - 104°F (10 to 40 °C).
- Make sure that the test strip vial and control solution bottle have been tightly capped.
- Confirm that you are using the same brand of control solution that was provided with your kit.
- Make sure that you followed the test procedure correctly.

After checking all of the conditions listed above, repeat the quality control test with a new test strip. If your results still fall outside of the control range shown on the test strip vial (or on the foil pouch), your meter may be defective. Please contact Customer Support at 1-800-838-9502.

Two levels of control solution are available labeled Control Solution 1 and Control Solution 2. Control Solution 1 is sufficient for most all self-testing needs. If you think your meter or strips may not be working correctly, you may also want to do a level 2 test. The ranges for both (CTRL 1 and CTRL 2) are displayed on the test strip vial (or on the foil pouch). Simply repeat step 4 through 6, using Control Solution 2.


To confirm your results, Control Solution 1 tests should fall within the CTRL 1 range, and Control Solution 2 tests should fall within the CTRL 2 range. If the control solution test results do not fall within the respective ranges, DO NOT use the system to test blood, as the system may not be working properly. If you cannot fix the problem, please contact Customer Support at 1-800-838-9502.

Please contact Customer Support at 1-800-838-9502 for information on ordering the *On Call® Express* Glucose Control Solution kit. The kit contains Control Solution 0, Control Solution 1 and Control Solution 2.

Maintenance

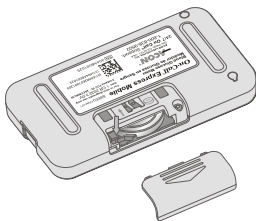
Proper maintenance is recommended for best results.

Replacing the Battery

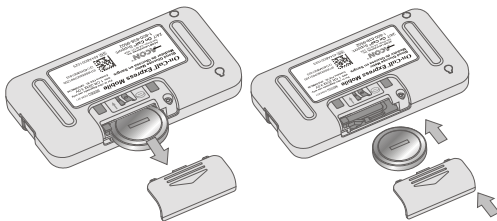
Your *On Call® Express Mobile Meter* uses one 3.0 Volt CR 2032 lithium battery. When the battery icon () is blinking, it means the battery is running low. You should replace the battery as soon as possible. An “E-6” error message will appear if the battery is too low to perform any more blood glucose tests. The meter will not function until the battery is replaced.

Instructions:

1. Turn the meter off before removing the battery.
2. Turn the meter over to locate the battery cover. Slide the battery cover off the top of the meter to get the battery.
3. Press the “+” symbol on the white plastic battery holder to loosen the old battery.



4. Pull out and discard the old battery. Insert one new CR 2032 3.0 V coin cell battery. Make sure the plus (+) side is facing down.



5. Close the battery cover and make sure that it snaps shut.
6. Recheck and reset the clock setting after battery replacement, if necessary

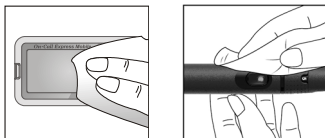
Caring for Your *On Call® Express Mobile* Blood Glucose Monitoring System

Blood Glucose Meter and Lancing Device

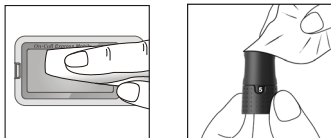
Pre-cleaning and Disinfection of meter and lancing device

Before disinfecting the meter and lancing device, please use DisCide Ultra Disinfecting Towelette (EPA Registration No. 10492-4) to clean the entire meter and lancing device surface by wiping with this towelette/wipe to remove any stains or debris, if any.

Please first use one DisCide Ultra Disinfecting Towelette (EPA Registration No. 10492-4) to pre-clean the entire meter and lancing device surface before disinfection process. This pre-cleaning process is for preparing the meter and lancing device surface to be ready for disinfection process.



After pre-cleaning, please use another DisCide Ultra Disinfecting Towelette (EPA Registration No. 10492-4) to disinfect your meter and lancing device. For disinfection, please wipe the entire meter and lancing device surface and make certain to wet the entire meter and lancing device outside surface thoroughly with this towelette/wipe.



Please refer to the diagram for the *On Call® Express Mobile* meter and lancing device in the **Getting Started** section for meter and lancing device outside surface illustration. Please refer to **Disposal of Lancets and Lancet Precautions** sections in this manual (Page 23) for proper handling of used lancet.

Meter and lancing device outside surface must remain visibly wet for a full one minute for effective disinfection. After disinfection wiping, please allow meter and lancing device to air dry completely before using the meter and lancing device again. However, you should avoid inserting the DisCide Ultra Disinfecting Towelette into the inside of the strip port and data port when performing pre-cleaning and disinfection procedure. Please refer to the diagram for the *On Call® Express Mobile*

meter in the **Getting Started** section for the strip port and data port location on the meter.

Intended use for Disinfection and Pre-Cleaning before Disinfection

The disinfection process is for preventing potential transmitting of infectious diseases through bloodborne pathogens. The pre-cleaning process is to ensure the removal of any stains/debris before disinfection application to ensure effective disinfection can be achieved for the meter and lancing device outside surface.

You should also wash hands thoroughly with soap and water after handling the meter and test strips.

Disinfection Wipes and Where to Buy Them

The material suitable for your *On Call® Express Mobile* meter and lancing device pre-cleaning and disinfection is DisCide Ultra Disinfecting Towelette (EPA Registration No. 10492-4). The active ingredients for DisCide Ultra Disinfecting Towelette are Isopropyl alcohol 63.25%, n-alkyl dimethyl benzyl ammonium chloride 0.12% and n-alkyl dimethyl ethyl benzyl ammonium chloride 0.12%. This DisCide Ultra Disinfecting Towelette is available through Palmero Health Care Company. You can purchase this DisCide Ultra Disinfecting Towelette by either calling Palmero Health Care at 1-800-344-6424 or visiting their website at www.Palmerohealth.com. DisCide Ultra Disinfecting wipes are also available through internet retailers such as www.amazon.com

Pre-Cleaning and Disinfection Frequency

If you run the test by yourself, you should pre-clean and disinfect your meter and lancing device periodically, such as at minimum of once a week, or whenever you feel the need to disinfect your meter and lancing device. If someone else assists you to run the test, the people who assist you or yourself should pre-clean and disinfect your meter and lancing device prior to each testing. The meter and lancing device disinfection process has been validated for 4.5 years of meter and lancing device usage based on daily cleaning and disinfection processes. (A total of 1,645 cycles for each cleaning and disinfection process were tested.) This is to ensure your meter and lancing device can operate properly even with disinfection process applied during the 4.5 years of meter and lancing device life.

Your meter and lancing device have been tested to withstand the pre-cleaning and disinfection process during the 4.5 year meter and lancing device life based on the operation frequency mentioned above. You should always check for the existing of all display segments for normal meter electronics operation when the meter is turned on each time before testing. However, if you have any problem with your meter and lancing device, please contact Customer Support at 1-800-838-9502, 24 hours a day, 365 days a year.

Note: All parts of the kit are considered biohazardous and can potentially transmit

infectious diseases, even after you have performed cleaning and disinfection. Please follow proper precautions when handling your meter and lancing device. Although it has not been observed for the sign of deterioration such as polymer crazing (thin silver streaks), cracking, swelling, dissolving, softening, becoming brittle, after cleaning and disinfection procedure in the manufacturer validation, you should look for any signs of deterioration of your meter and lancing device after cleaning and disinfection procedure.

The meter and lancing device appearance visual inspection items in the validation testing include: polymer crazing (thin silver streaks), cracking, swelling, dissolving, softening and becoming brittle.

The meter functional inspection items in the validation testing include: All display segments verification after meter turn on; All meter set up verification including 12 or 24 Hour mode; Year, Month, Date, Hour, Minute; Meal Marker, Audio, Test Reminder 1, Test Reminder 2, Test Reminder 3, Test Reminder 4, Test Reminder 5.

If any of the above items show sign of deterioration on your meter and lancing device after cleaning and disinfection procedure, please stop using your meter and lancing device and contact Customer Support at 1-800-838-9502 for assistance in this regard.

Electrical Safety and Standards

In locations where cell phone use is not permitted, such as some hospitals and some healthcare professional offices, the meter should be off.

WARNING: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 12 inches (30 cm) to any part of the *On Call® Express Mobile Meter*, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

The *On Call® Express Mobile Meter* has been tested and found to be appropriate for use at home. In most cases, it should not interfere with other home electronic devices if used as instructed. However, the *On Call® Express Mobile Meter* gives off radio frequency (RF) energy from the *Bluetooth®* wireless technology feature. If not used correctly, the *On Call® Express Mobile Meter* may interfere with your TV, radio, or other electronic devices that receive or transmit RF signals. With the exception of your *iOS®* or *Android™* device, other electronic wireless devices that are in use nearby, such as another cell phone or a wireless network, may prevent or delay the transmission of data from your *On Call® Express Mobile Meter* to the *On Call® Care Alliance App*. Moving away from or turning off these electronic devices may allow communication.

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

WARNING: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation.

If you experience meter interference problems, try moving your *On Call® Express Mobile Meter* away from the source of the interference. You can also move the electronic device or its antenna to another location to solve the problem. If you continue to experience interference, contact Customer Service.

FCC compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference;
- This device must accept any interference received, including interference that may cause undesired operation.

This device 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

device 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 device does cause unacceptable interference to radio or television reception, which can be determined by turning the device OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the device and receiver.
- Consult your dealer or an experienced radio/TV technician for help.

***Bluetooth®* Notice**

The *Bluetooth®* word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by **ACON** is under license. Other trademarks and trade names are those of their respective owners.

On Call® Express Mobile Blood Glucose Meter Preventive Warnings with Regard to EMC:

- Electromagnetic immunity requirements as per IEC 60601-1-2. The meter has been tested for immunity to Level 4 electrostatic discharge as specified IEC 61000-4-2.
- This instrument complies with the emission and immunity requirements. The requirements described in IEC 60601-1-2.

Suggested Testing Times and Target Goals

Tracking your blood glucose concentration through frequent testing is an important part of proper diabetes care. Your doctor will help you decide the normal target range for your glucose levels. Your doctor will also help you determine when and how often you should test your blood glucose. Some suggested times are:

- When you wake up (fasting level)
- Before breakfast
- 1-2 hours after breakfast
- Before lunch
- 1-2 hours after lunch
- Before or after exercise
- Before dinner
- 1-2 hours after dinner
- Before bedtime
- After a snack
- At 2 or 3 AM, if taking insulin

You may need to test more often whenever: ¹

- You add or adjust your diabetes medication.
- You think your blood glucose levels may be too low or too high.
- You are ill, or feeling uncomfortable over long periods of time.

Expected blood glucose levels for people without diabetes:²

Time	Range, mg/dL	Range, mmol/L
Fasting and Before Meals	70-100	3.9 – 5.6
2 hours after meals	Less than 140	Less than 7.8

Talk to your doctor to set your own daily target ranges.

Time of Day	Your Target Range
Waking up (Fasting level)	
Before meals	
2 hours after meals	
Bedtime	
2 AM to 3 AM	
Other	

(Note: 1 mmol/L = 18 mg/dL)

Use the logbook to record your blood glucose measurements and related

information. Bring the logbook with you when you visit your doctor. Together, you can determine how well your blood glucose is being controlled. This can help you and your doctor make the best decisions about your glucose control plan.

-
1. Jennifer Mayfield and Stephen Havas, "Self-Control: A Physician's Guide to Blood Glucose Monitoring in the Management of Diabetes – An American Family Physician Monograph"
 2. ADA Clinical Practice Recommendations, 2013. Diabetes Care, 2013, Vol. 36, Supplement 1. S67-S74

Comparing Meter and Laboratory Results

Your *On Call® Express Mobile* Blood Glucose System and laboratory results both report the glucose concentration in the serum or plasma component of your blood. However, the results may differ somewhat due to normal variation. The meter results can be affected by factors and conditions that do not affect laboratory results in the same way. See *On Call® Express Test Strips'* package insert for typical accuracy and precision data, and for important information on limitations.

To ensure a reasonable comparison, follow these guidelines.

Before you go to the lab:

- Bring your meter, test strips and control solution with you.
- Make sure your meter is clean.
- Perform a quality control test to make sure the meter is working properly.
- Comparisons will be more accurate if you do not eat for at least four hours before testing. Eight hours is preferable.







At the lab:

- Wash your hands before obtaining a blood sample.
- Take the blood samples for a laboratory test and for your meter within 10 minutes of each other. This will ensure an accurate comparison of results.
- Never test blood that has been placed in test tubes containing fluoride or other anticoagulants, this will cause falsely low results.

Troubleshooting Guide

The meter has built-in messages to alert you of problems. When error messages appear, note the error number. Turn off the meter and then follow these instructions.

Display	Causes	Solution
Meter fails to turn on	Battery may be damaged or empty	Replace the battery.
	Meter is too cold	If the meter has been exposed to or stored in cold conditions, wait 30 minutes. Allow the meter to reach room temperature then repeat the test.
E-0	Power On self check error	Remove the battery for 30 seconds and then put the battery back and turn meter on again. If the problem persists, please contact Customer Support at 1-800-838-9502.
E-1	Internal calibration check error	If a cell phone, radio frequency source or a high power electrical source is nearby, place more distance between the meter and any of these sources then retest. If the problem persists, please contact Customer Support at 1-800-838-9502.
E-2	Test strip was removed during the test	Repeat the test and ensure that the test strip remains in place.
E-3	Sample was applied to the test strip too soon	Repeat the test and apply the sample after the blood drop/test strip symbol appears.
E-4	Test strip is contaminated or used	Repeat the test with a new test strip.
	Sample was applied to the test strip too soon	Repeat the test and apply the sample the after blood drop/test strip symbol appears.
E-5	Insufficient sample	Repeat the test and apply enough sample to fill the test strip check window.
	Sample application error due to late sample re-dosing	Repeat the test and apply enough sample to fill the test strip check window within 3 seconds.
HIT	Temperature has exceeded the operating temperature of the system	Move to a cooler environment and repeat the test.

Display	Causes	Solution
	Temperature is below the operating temperature of the system	Move to a warmer environment and repeat the test.
	Battery is low but has enough power to run 20 more tests.	Test results will still be accurate, but replace the battery as soon as possible.
	Battery is discharged and the meter does not allow for more tests until replacement with a new battery.	Replace the battery and repeat the test.
	Meter electronics failure.	If the problem persists, please contact Customer Support at 1-800-838-9502.
	Improper type of test strip used.	If the problem persists, please contact Customer Support at 1-800-838-9502.
	Test strip damaged or calibration error.	If the problem persists, please contact Customer Support at 1-800-838-9502.
	Communications failure.	There is an error in transferring data to the device. Check your device. Make sure that <i>Bluetooth®</i> communication is carried out within 32.80 ft. (10 meters), and there is no interference from metal shields and other <i>Bluetooth®</i> devices.

Specifications

Feature	Specification
Meter Model Number	OGM-271
Measurement Range	20 - 600 mg/dL
Result Calibration	Plasma-equivalent, calibrated by using YSI (Model 2300 STAT PLUS) Glucose Analyzer reference instrument, which is traceable to NIST reference standard.
Sample	Fresh capillary whole blood
Minimum Sample Size	0.4 μ L
Test Time	4 seconds
On/Off Source	One (1) CR 2032 3.0 V coin cell battery
Battery Life	500 tests for glucose testing (<i>Bluetooth</i> [®] auto send function is off, manual sending data via Bluetooth once every 10 glucose measurements).
Glucose Units of Measure	The meter is preset to mg/dL when sold in the United States.
Memory	Up to 500 records with time and date
Automatic shutoff	2 minutes after last action
Meter Size	2.95 × 1.57 × 0.51 inches (75.0 × 40.0 × 13.0 mm)
Display Size	1.96 × 0.98 inches (50.0 mm × 25.0 mm)
Weight	1.269 oz. (36.0 g) with battery installed
Operating Temperature	41 - 113 °F (5 - 45 °C)
Operating Relative Humidity	10 - 90% (non-condensing)
Hematocrit Range	25 - 60%
Wireless Frequency	2.4 GHz worldwide ISM band (Instrumentation, Scientific and Medical)

Warranty

Please complete the warranty card that came with this product and mail it to the following address:

On Call® Express Mobile Warranty Center

5850 Oberlin Drive, #340

San Diego, CA 92121-4712

If the meter fails to work for any reason other than obvious abuse within the first five (5) years from purchase, we will replace it with a new meter free of charge. For your records, also write the purchase date of your product here.

Date of purchase: _____

Note: This warranty applies only to the meter in the original purchase, and does not apply to the battery supplied with the meter.

Index

Averaging Results.....	28	OK Button.....	4
Battery, Replacing the.....	35	Specifications.....	46
Carrying Case.....	1	Procedure	
Clearing the Memory.....	29	Precautions and Limitations....	26
Date Format.....	8,9,10	Testing Your Blood.....	18
Device Pairing.....	16	Quality Control Test.....	32
Guidelines.....	I	Control Solution.....	10
Hematocrit.....	47	How to Run.....	32
Lancing Device.....	1,18,36	Results	
Lancets.....	1,18	Blood Glucose.....	23
Logbook.....	3,41	Control Solution.....	33
Maintenance.....	5,35	Meter vs. Lab Results.....	43
Measure, Unit of.....	5	Target Goals.....	41
Meter.....	4	Unit of Measure.....	24,34
▲ Button.....	4	Status Light.....	4,16
▼ Button.....	4	Suggested Testing Times.....	41
Audio feature.....	15	Test Strip.....	7
Cleaning.....	37	Expiration.....	8
Display.....	5	Precautions.....	9
Error Messages.....	44,45	Testing Your Blood.....	18
"HI" and "LO" Messages.....	25	Get a Drop of Blood.....	18
Memory.....	28	Test Blood Glucose.....	22
Meter Use and Precautions....	6	Troubleshooting.....	44,45
Meter Setup.....	13	Viewing Stored Records.....	29
Set the Clock.....	13	Warranty.....	2,47

