

# Contour<sup>®</sup> next link

Wireless Blood Glucose  
Monitoring System



Medtronic

Uses only CONTOUR<sup>®</sup>NEXT blood glucose test strips

## USER GUIDE



## INTENDED USE

The CONTOUR®NEXT LINK wireless blood glucose monitoring system (meter, test strips and control solution) is intended for self-testing by persons with diabetes to monitor glucose concentrations for the quantitative measurement of glucose in fresh capillary whole blood drawn from the fingertip or palm. **It is intended for *in vitro* diagnostic use only.** The clinical utility of this device is that it may be used as an aid to monitor the effectiveness of a diabetes control program.

The CONTOUR NEXT LINK wireless blood glucose monitoring system is intended to be used to transmit glucose values to Medtronic devices and facilitate transfer of information to Medtronic CareLink® Software through use of radio frequency communication.

The CONTOUR NEXT LINK wireless blood glucose monitoring system is not intended for the diagnosis of or screening for diabetes mellitus and it is not intended for use on neonates.

## IMPORTANT SAFETY INFORMATION



### WARNINGS


#### Serious Illness

- Capillary (fingerstick or Alternative Site) blood glucose testing may not be clinically appropriate when peripheral flow is decreased. Shock, severe hypotension, hyperosmolar hyperglycaemia, diabetic ketoacidosis and occurrence of severe dehydration are examples of clinical conditions that may adversely affect the measurement of glucose in peripheral blood.<sup>1-3</sup>
- Keep out of reach of children. This kit contains small parts which could cause suffocation if accidentally swallowed.

## Talk to Your Health Care Professional


- Before setting any Target ranges or High or Low Alerts on your meter.
- Before changing your medication based on test results.
- If your blood sugar reading is under 2.8 mmol/L, follow medical advice immediately.
- If your blood sugar reading is over 13.9 mmol/L, wash and dry your hands well and repeat the test with a new strip. If you get a similar result, call your health care professional as soon as possible.
- About whether Alternative Site Testing (AST) is appropriate for you.

## Potential Biohazard

- Always wash and dry your hands well with soap and water before and after testing, handling the meter, lancing device or test strips.
- The lancing device and lancets are for single person use. Do not share them with anyone including other family members. Do not use on multiple persons.<sup>4,5</sup>
- All parts of this kit are considered biohazardous and can potentially transmit infectious diseases, even after you have performed cleaning. For cleaning instructions, please see Cleaning Your Meter, page 67.
- The lancing device provided with your kit is intended for self-testing by a single patient. It must not be used on more than one person due to the risk of infection.
-  Use a new lancet each time you test because it is no longer sterile after use.
- Always dispose of test strips and lancets as medical waste or as advised by your health care professional. All products that come in contact with human blood should be handled as if capable of transmitting infectious diseases.



## PRECAUTIONS

-  Read your CONTOUR®NEXT LINK meter user guide, the lancing device package insert, your Medtronic device user guide and all instructional materials provided in your meter kit before testing. Please follow all instructions for use and care exactly as described to help avoid inaccurate results.
- Examine product for missing, damaged, or broken parts. If the test strip bottle is open inside a new box of strips, do not use those strips. For replacement parts, contact Customer Service. Please see back cover for contact information.
- The CONTOUR NEXT LINK meter only works with CONTOUR®NEXT test strips and CONTOUR®NEXT control solutions.
- Always keep the CONTOUR NEXT test strips in their original bottle. Tightly close the bottle immediately after removing a test strip. The bottle is designed to keep the test strips dry. Avoid exposing meter and test strips to excessive humidity, heat, cold, dust and dirt. Exposure to room humidity from leaving the bottle open or not storing the strips in their original bottle can damage your test strips. This could lead to inaccurate results. Do not use a test strip that appears damaged or has been used.
- Check the expiry dates on your test strips and control solution. Do not use the test strips or control solution if the expiry date printed on the bottle label and carton has passed. This can cause inaccurate results. For the control solution, do not use if it has been 6 months since you first opened the bottle. After first opening the bottle, write the 6-month discard date on the control solution label.
- If your control solution test result is out of range, contact Customer Service. Please see back cover for contact information. Do not use the meter for blood glucose testing until you resolve this issue.
- The meter has been designed to give accurate results at temperatures between 5° to 45°C. If you are outside this range, you should not test. Whenever the meter is moved from one location to another, allow approximately 20 minutes for the meter to adjust to the temperature of the new location before performing a blood glucose test.
- Do not perform a blood glucose test when the CONTOUR NEXT LINK meter is connected to a computer.

- Use only approved cables or wall charger from the manufacturer or a 5V charger that displays a CE mark.
- The CONTOUR®NEXT LINK meter has been preset and locked to display results in mmol/L (millimoles of glucose per litre of blood).

- ✦ Results in mmol/L will **always** have a decimal point.

- ✦ Results in mg/dL will **never** have a decimal point;

**Example:**  $5.2 \frac{\text{mmol}}{\text{L}}$  or  $93 \frac{\text{mg}}{\text{dL}}$

- ✦ Check your display screen to be sure the results are shown the right way. If not, please see Customer Service contact information on the back cover of this user guide.
- The CONTOUR®NEXT LINK wireless blood glucose monitoring system has a measuring range of 1.1 mmol/L to 33.3 mmol/L.
  - ✦ For results under 1.1 mmol/L or over 33.3 mmol/L:
    - If your blood sugar reading is under 1.1 mmol/L, the **“Follow Medical Advice Immediately”** screen will display and the meter will beep twice. Contact your health care professional.
    - If your blood sugar reading is over 33.3 mmol/L the next screen will tell you to retest. The meter will beep twice. If results are still over 33.3 mmol/L, **“Follow Medical Advice Immediately”** is displayed.
- Please be aware that USB ports in some computers and self-powered USB hubs can become much warmer than the room. A USB extension cable is available. If you wish to test immediately after disconnecting from your computer, please use the USB cable to protect the meter from exposure to heat created by the computer.

**CAUTION:** Your CONTOUR NEXT LINK meter only works with CONTOUR®NEXT test strips and CONTOUR®NEXT control solutions.



Rechargeable Battery

Your CONTOUR®NEXT LINK meter has a rechargeable battery. You must charge your battery before you can use your meter and you cannot do a blood sugar test while the battery is charging.

Charge Your Meter Using a Wall Outlet or a Computer



- Remove USB cap.
- Insert the meter USB plug into the wall charger\* or use the USB extension cable.

The meter is fully charged when the test strip port light stops flashing and turns off.

\*Charger is available separately from Customer Service if not included in your meter kit. See contact information for Customer Service on back cover.

**CAUTION:** Do not perform a blood glucose test when your meter is connected to an external device, e.g., computer.

**NOTE:** Your meter can Rapid Charge. After 1 minute of charging, you can unplug the meter and run one blood sugar test, if needed. A USB extension cable is included for your convenience.



OR

- Remove USB cap.
- Insert the meter USB plug into your computer or use the USB extension cable.
- Be sure your computer is turned on and not in sleep, hibernate or power save mode.

**CAUTION:** Please be aware that USB ports in some computers and self-powered USB hubs can become much warmer than the room. If you wish to test immediately after disconnecting from your computer, please use the USB cable to protect the meter from exposure to heat created by the computer.

Table of Contents

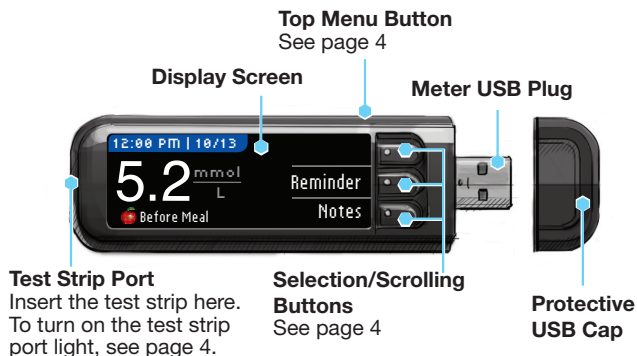
Your CONTOUR®NEXT LINK Wireless Blood Glucose Monitoring System.....	2
Your CONTOUR®NEXT Test Strip .....	2
Initial Setup .....	5
<hr/>	
Preparing the Lancing Device.....	13
Getting the Blood Drop — Fingertip Testing.....	15
Test Results .....	17
Alternative Site Testing (AST) — Palm .....	19
Control Solution Testing.....	27
<hr/>	
AutoLog (Marking Your Results) .....	30
Sending Results to Your Pump.....	30
Test Reminders .....	31
Notes .....	34
<hr/>	
Logbook.....	35
Trends (Averages and Summaries) .....	36
Setup .....	38
Pump Options .....	38
Meter Send Options.....	41
Test Reminders.....	43
Date and Time .....	45
Sound .....	47
AutoLog.....	47
Blood Sugar Targets.....	49
Trends Range .....	51
High and Low Alerts .....	52
Set Language .....	53
Customer Service.....	53
<hr/>	
Transferring Data to Medtronic's CareLink Personal Therapy Management Software .....	54
Error Detection Displays .....	55
Battery Status.....	55
Technical Information .....	60
Caring for Your Meter .....	67
Cleaning Your Meter .....	67
Warranty .....	70
<b>INDEX.....</b>	<b>72</b>



## Getting Started

### Your CONTOUR®NEXT LINK Wireless Blood Glucose Monitoring System

Your CONTOUR NEXT LINK wireless blood glucose monitoring system works with CONTOUR®NEXT test strips.



#### WARNING

Keep out of reach of children. Accidental swallowing could cause suffocation.

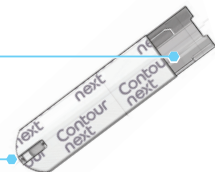
### Your CONTOUR NEXT Test Strip

#### Grey Square End

Insert this end into the test strip port with the grey end facing up.

#### Sample Tip

Blood sample pulled in here.



**CAUTION:** Your CONTOUR®NEXT LINK meter only works with CONTOUR NEXT test strips and CONTOUR®NEXT control solutions.

### “Talks” to Your Compatible Medtronic Device

Your CONTOUR®NEXT LINK meter can automatically send your blood glucose result directly to your compatible Medtronic device, if your meter and pump are linked. This eliminates the need to manually enter your blood glucose result into your insulin pump. Your compatible Medtronic device will only accept the glucose result if the Meter Send Option in your device's Utility Menu is set to On and you have programmed the device with the meter's ID (serial) number. Up to 3 CONTOUR NEXT LINK meters can be connected to your Medtronic pump. To use the meter link features, your CONTOUR NEXT LINK meter and Medtronic device must be within 1.22 meters (4 feet) of each other. If you are not using the meter link feature, you may want to set the Send Option to Never on your CONTOUR NEXT LINK meter to save battery power.



## Meter Overview

### Turning the Meter On or Off

- Press and hold the top **Menu** button to turn the meter on or off.
- Insert a test strip to turn the meter on.
- Meter turns off after 3 minutes of inactivity.

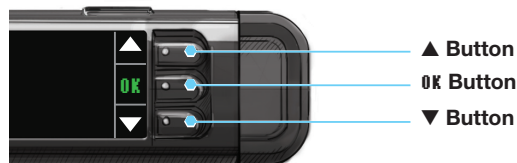
### Using the Top Menu Button



The top **Menu** button has three functions:

- **To turn the meter on/off**, press and hold the top **Menu** button.
- **To go back one screen** from most screens, press the top **Menu** button once.
- **To turn on/off the test strip port light**, quickly press the top **Menu** button twice.

### Using the Selection/Scrolling Buttons

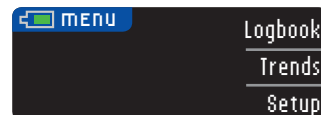


- The three buttons next to the screen allow you to make your selection by pressing the button next to your choice.
- Scroll up or down for additional choices when the ▲ or ▼ arrows appear on the meter screen.

- When your choice is highlighted, make a selection by pressing **OK**.

**NOTE:** Press and hold the ▲ or ▼ button to scroll through the list faster.

### Using the Main Menu



The Main Menu has three choices: Logbook, Trends and Setup. Select one by pressing the button next to your choice.

**CAUTION:** Unplug meter from charging source before beginning Setup.

## Initial Setup



1. Before use, fully charge your meter. See page vi.

### Turn On



2. Press and hold the top **Menu** button until the meter turns on. After a welcome screen, you see the **Language** choice screen.



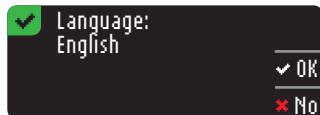
## Set Language

These meter screen images are for illustration purposes only.



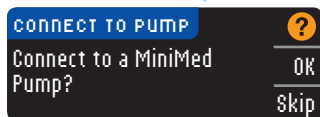
- Press the ▼ button to see more language choices. When your language is highlighted, press **OK**.

This screen example shows the language selections. The language order may differ depending on your country.



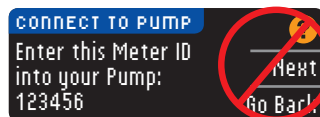
- Press **OK** to confirm. If the correct language is not displayed, press **No**.

## Connect to Pump



- If you are connecting to a MiniMed pump now, press **OK** and go to Step 6. If not, press **SKIP** and go to Step 17.

**NOTE:** Pump refers to your compatible Medtronic device.



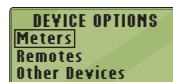
- STOP. Do NOT press ANY buttons.**

This screen displays the meter ID (in the bottom left corner). This ID is needed to complete the connection process.

Put down your meter. Pick up the compatible Medtronic device and continue with Step 7.



- Press **ACT** to go to the **MAIN MENU**. Scroll to **Utilities** by pressing the down arrow. Press **ACT**.



- Scroll to **Connect Devices** and press **ACT**.

Then scroll to **Meters** and press **ACT**.

**NOTE:** If your **UTILITIES MENU** does not contain **Connect Devices**, scroll to **Meter Options** and press **ACT**.



- Select **On** and press **ACT**. If you are **replacing** a meter, go to **Step 10**. If you are **adding** a new meter, go to **Step 12**.



- To replace a meter, select **Delete ID** and press **ACT**.



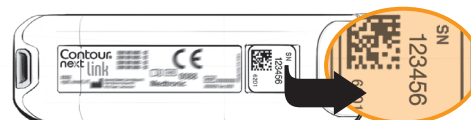
- If you have multiple meter IDs, repeat Step 10 for each one.



- To add a new meter, select **Add ID** and press **ACT**. Refer to Step 6 (or see meter back) to find meter ID (SN). Use the up and down arrow buttons to enter the six character meter ID shown on the meter screen.



Press **ACT** after each character entry.

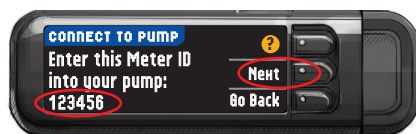






13. Select **Review ID** on your compatible Medtronic device to confirm that your CONTOUR®NEXT LINK meter ID has been correctly entered. If incorrect, go back to Step 10.

**NOTE:** For detailed instructions, see your compatible Medtronic device user guide.

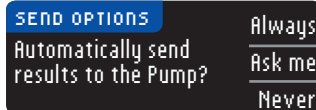


14. Return to your CONTOUR NEXT LINK meter. After you have entered the meter ID into your compatible Medtronic device, press **Next**.

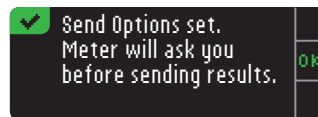
### Meter Send Options

15. After the meter and pump are connected, you will need to set your **Send Options**. This controls how your meter sends blood glucose readings to your Medtronic pump. Your options are:

<b>Always</b>	Meter will always send results
<b>Ask Me</b>	Meter will ask you before sending results
<b>Never</b>	Meter will never send results



Press the **Send Option** that is best for you. Your choice can be changed later using Setup (see page 42).



16. Press **OK**.

### Set Date and Time to Match Medtronic Device



17. The date and time on your **meter** must match the date and time on your **Medtronic device**. Pick up Medtronic device. Press **ACT** to go to the **MAIN MENU**. Scroll to **Utilities** and press **ACT**. Scroll to **Time/**

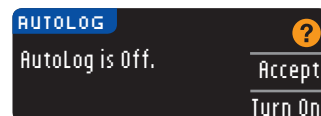
**Date** and press **ACT**. Select a time format and press **ACT**. Note the time and date. Return to your **meter**. Follow instructions on your meter to change the time and date to match your **Medtronic device**.

### AutoLog

The AutoLog feature lets you mark your test result as



**Your meter comes preset with AutoLog turned OFF.**



18. When the AutoLog screen appears, press **Accept** to keep AutoLog OFF. Or, to activate AutoLog, select **Turn On**.



## High and Low Alerts

The High and Low Alert feature tells you when your test result is above or below the settings you choose. Results above High are marked High Blood Sugar. Results below Low are marked Low Blood Sugar. Alerts appear as large orange numbers.

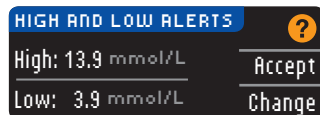
**NOTE: Alerts can only be set outside your selected Target Range(s). For additional information, please contact Customer Service. Contact information for Customer Service is on the back cover.**



### WARNING

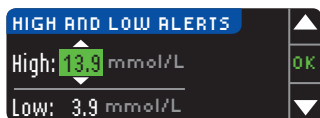
Talk to your health care professional before setting any High or Low Alerts on your meter.

Your meter comes preset with a high alert level of 13.9 mmol/L and a low alert level of 3.9 mmol/L. You can **Accept** or **Change** these levels.

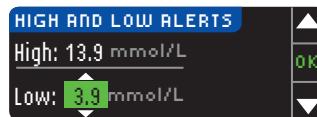


19. Select **Accept** to keep the preset alert levels. If you wish to change these alert levels, press **Change**.

**NOTE: Your Target ranges must be within your High and Low Alert levels. You set your Target ranges next.**

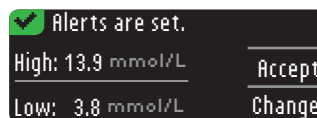


20. If you selected **Change**, press the **▲** or **▼** button to select your High Alert level. This can be set between 7.0 - 20.0 mmol/L. Press **OK**.



21. Press the **▲** or **▼** button to select your Low Alert level. This can be set between 3.0 - 5.5 mmol/L. Press **OK**.

**NOTE: Press and hold the **▲** or **▼** button to scroll through the numbers faster.**



22. The next screen confirms your choices. Press **Accept** to confirm your Alert settings.

## Target Ranges

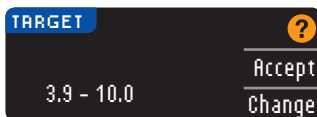
Next you are asked to accept your blood sugar Targets. Targets are your personal ranges for your blood sugar results. With AutoLog OFF, you have a single Target range. With AutoLog ON, you have Target ranges for Fasting, Before Meal and After Meal.

**NOTE: Targets can only be set inside your selected Alert level(s). For additional information, please contact Customer Service. Contact information for Customer Service is on the back cover.**



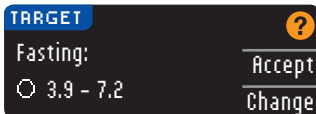
### WARNING

Talk to your health care professional before setting any Target ranges on your meter.



23. If AutoLog is OFF, **Accept** or **Change** the preset blood sugar Target range. The preset range is 3.9 - 10.0 mmol/L.

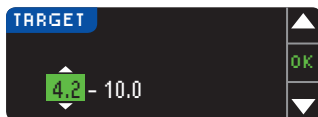




If AutoLog is ON, **Accept** or **Change** the preset blood sugar range for Fasting, Before Meal and After Meal screens. Each Target has an option to **Accept** or **Change**.

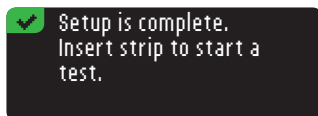
The preset values are:

	Fasting	3.9 - 7.2 mmol/L
	Before Meal	3.9 - 7.2 mmol/L
	After Meal	3.9 - 10.0 mmol/L



24. To change the Targets press the ▲ or ▼ button until the desired Target is reached and then press **OK**. Press **Accept** on confirmation screen.

You can change these settings later by going to the Main Menu and selecting Setup. See page 49.



**Initial Setup is complete. You may now test your blood sugar. See Testing, below.**

## Testing

### Getting Ready to Test

Read your CONTOUR®NEXT LINK meter user guide, your Medtronic device user guide, the lancing device insert and all instructional materials provided in your meter kit before testing. Please follow all instructions for use and care exactly as described.

Examine product for missing, damaged, or broken parts. If the test strip bottle is open inside a new box of strips, do not use those strips. Contact Customer Service for replacement parts. Please see back cover for contact information.

**CAUTION:** Your CONTOUR®NEXT LINK meter only works with CONTOUR®NEXT test strips and CONTOUR®NEXT control solutions.

**Have all the materials you need ready before you begin testing.** This includes your CONTOUR NEXT LINK meter, CONTOUR NEXT test strips, and the lancing device and lancets provided with your kit. You may also need CONTOUR NEXT control solution to perform a quality control check. CONTOUR NEXT control solutions are available separately if not included in the meter kit.

- Do not perform a blood glucose test when your meter is connected to an external device, e.g., computer.
- Use only approved cables or wall charger from the manufacturer or a 5V charger that displays a CE mark.

### Preparing the Lancing Device

**The lancing device graphics are for illustration purposes only. Your lancing device may look different. Refer to your lancing device insert for detailed instructions on preparing the lancing device.**



**WARNING: Potential Biohazard**

- The lancing device provided with your kit is intended for self-testing by a single patient. It must not be used on more than one person due to the risk of infection.



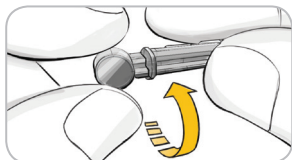
**WARNING**

- Dispose of the used lancet as medical waste or as advised by your health care professional.
- Do not reuse lancets. Use a new lancet each time you test.

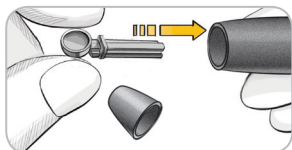


Read the lancing device insert for complete instructions. If you are using a different lancing device, see that manufacturer's instructions for use. For Alternative Site Testing instructions, see page 19.

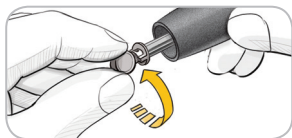
1. Remove the endcap from the lancing device.



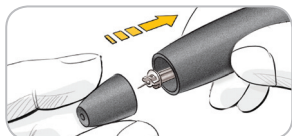
2. Loosen the round protective cap on a lancet by rotating it ¼ turn, but do not remove it.



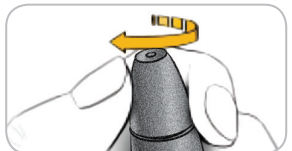
3. Insert the lancet firmly into the lancing device until it comes to a full stop.



4. Twist off the round protective lancet cap. Save it for disposing of the used lancet.



5. Replace the endcap.



6. Rotate the endcap dial to adjust the puncture depth. The amount of pressure applied to the puncture site also affects puncture depth.

## Preparing the Test Strip



### WARNING

Always wash your hands with soap and water and dry them well before and after testing, handling the meter, lancing device or test strips.



1. Remove a CONTOUR®NEXT test strip from the bottle. **Tightly close the bottle lid immediately after you have removed the test strip.**



2. Hold the test strip with the grey square end facing up.
3. Insert the grey square end into the test strip port until the meter beeps (if the Sound is set to ON).



You will see the **Apply Blood** screen. The meter is now ready for you to test.

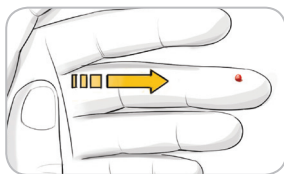
**NOTE:** After test strip is inserted, if you do not apply blood to the test strip within 1 minute, the meter screen will dim and the meter will beep. Press any button and the Apply Blood screen will become bright again. After a total of 3 minutes of inactivity the meter will turn off.

## Getting the Blood Drop – Fingertip Testing



1. Press the lancing device firmly against the puncture site and press the release button.





- Stroke your hand and finger toward the puncture site to form a drop of blood. Do not squeeze around the puncture site.



- Test immediately after a good drop of blood has formed.



- Immediately touch the tip of the test strip to the drop of blood. The blood is pulled into the test strip through the tip.

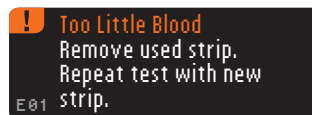
**Hold the tip of the test strip in the blood drop until the meter beeps.**

Do not press the tip against the skin or place the blood on top of the test strip or you could get inaccurate results or errors.

### Apply More Blood



If the first blood drop is not enough, the meter will beep twice and display “**STRIP UNDERFILLED**” and “**APPLY MORE BLOOD NOW.**” You have about 30 seconds to apply more blood to the same strip.



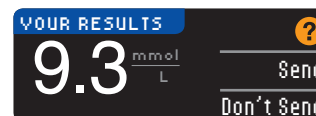
If you do not re-apply enough blood within about 30 seconds, you will see a screen telling you to remove the strip and repeat with a new strip.

## Test Results

### Testing With AutoLog Off

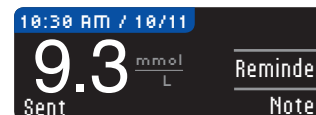


After applying blood to the test strip when AutoLog is turned OFF, your result will appear after the 5 second countdown.



If **Always** was selected in Send Options during Setup, your result is automatically sent to your pump. If **Never** was selected in Send

Options, you will not have the option to send the result to your pump. If **Ask Me** was selected in Send Options, you can choose to send your result to your pump after each blood sugar test. Press **Send** or **Don't Send**. If **Send** is chosen, press **OK** on the Send confirmation screen.



Leave the test strip in the meter to set an optional reminder for your next test (see page 31) or add a note (see page 34).

If you have completed your test, remove the test strip from the meter. Press and hold the top **Menu** button to turn off the meter. The meter also turns off after 3 minutes of inactivity.

**CAUTION:** Always check the display on your pump to ensure that the glucose result shown agrees with the glucose result shown on the meter.



## Testing With AutoLog On



After you apply blood to the test strip, use the ▼ to select **Fasting**, **Before Meal**, **After Meal** or **No Mark**, and then press **OK**. (Scroll down to see **No Mark**.)

### NOTE:

- Your test result does not display until you make an AutoLog selection.
- If your result is above or below your High or Low Alert settings, you will see your result without pushing a button.

<b>Fasting</b>	Use the Fasting marker when testing blood sugar levels after fasting (no food or drink for 8 hours, except water or non-caloric beverages).
<b>Before Meal</b>	The Before Meal marker can be used when testing blood sugar levels within 1 hour before a meal.
<b>After Meal</b>	The After Meal marker can be used when testing blood sugar levels within 2 hours after a meal.
<b>No Mark</b>	You can select <b>No Mark</b> if you are testing at times other than before or after a meal or fasting.

If you make your AutoLog selection very quickly, you may see the remainder of the testing countdown.

9.3

Your test result appears as a large number and then changes to the usual test result screen.



If **Always** was selected in Send Options during Setup, your result is automatically sent to your pump. If **Never** was selected in Send

Options, you will not have the option to send the result to your pump. If **Ask Me** was selected in Send Options, you can choose to send your result to your pump after each blood sugar test. Press **Send** or **Don't Send**. If **Send** is chosen, press **OK** on the Send confirmation screen.

Leave the test strip in the meter to set a reminder for your next test (see page 31) or add a note (see page 34).



If you have completed your test, remove the test strip. To turn off the meter, press and hold the top **Menu** button. Or, after 3 minutes of inactivity, the meter turns off automatically.

**CAUTION:** Always check the display on your pump to ensure that the glucose result shown agrees with the glucose result shown on the meter.

## Alternative Site Testing (AST) — Palm

### ! WARNING

- Ask your health care professional if Alternative Site Testing is right for you.
- Do not calibrate your continuous glucose monitoring device from an AST result.
- Do not calculate a bolus based on an AST result.

**IMPORTANT:** For Alternative Site Testing, use the clear endcap on your lancing device. Your CONTOUR®NEXT LINK meter can be used for fingertip or palm testing. See the lancing device insert for complete instructions for Alternative Site Testing.



**IMPORTANT:** Do not use AST under the following conditions:

- If you think your blood sugar is low
- When blood sugar is changing rapidly (after a meal, insulin dose or exercise)
- If you are unable to feel symptoms of low blood sugar (hypoglycaemic unawareness)
- If you get alternative site blood sugar results that do not agree with how you feel
- During illness or times of stress
- If you will be driving a car or operating machinery

Alternative Site test results may be different from fingertip results when glucose levels are changing rapidly (e.g., after a meal, after taking insulin or during or after exercise). Additionally, glucose levels may not rise as high or fall as low as levels in the fingertip. As such, fingertip testing results may identify hypoglycaemic levels sooner than alternate site results.

Alternative Site Testing is recommended only when it is more than 2 hours after a meal, diabetes medication or exercise.

If you do not have a clear endcap to perform AST, contact Customer Service. Please see back cover for contact information.

### Getting a Blood Drop for Alternative Site Testing



1. Wash your hands and the puncture site with soap and warm water. Rinse and dry well.
2. Attach the clear AST endcap to the lancing device provided with your kit. **Refer to the lancing device insert for detailed instructions.**



3. Select a puncture site from a fleshy area on the palm. Avoid veins, moles, bones and tendons.

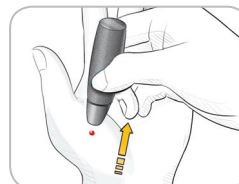


4. Press the lancing device firmly against puncture site and then press the release button.

**The lancing device graphics are for illustration purposes only.**



5. Maintain steady pressure until a small, round blood drop forms.



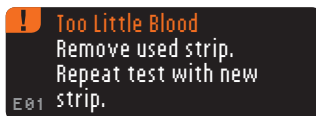
6. Lift the device straight up and away from the skin without smearing the blood.

7. Test immediately after you have formed a small, round blood drop.  
Immediately touch the tip of the test strip to the drop of blood. The blood is pulled into the test strip through the tip.

Do not test the blood sample from palm if you get:

- Smeared blood
- Clotted blood
- Runny blood
- Clear fluid mixed with the blood



**NOTE:**

- Your test result does not display until you make an AutoLog selection.
- If your result is above or below your High or Low Alert settings, you will see your result without pushing a button.

8. Hold the tip of the test strip in the blood drop until the meter beeps. Do not press the tip against the skin or place the blood on top of the test strip or you could get inaccurate results or errors.

If the first blood drop is not enough, the meter will beep twice and display “STRIP UNDERFILLED” and “APPLY MORE BLOOD NOW.” You have about 30 seconds to apply more blood to the same strip.

If you do not apply more blood within about 30 seconds, remove the strip and repeat with a new strip.

9. If you have the AutoLog feature turned ON, the AutoLog screen appears. Select Fasting, Before Meal, After Meal or No Mark by pressing the **OK** button when your selection is highlighted. Scroll down to see **No Mark**.



If **Always** was selected in Send Options during Setup, your result is automatically sent to your pump. If **Never** was selected in Send

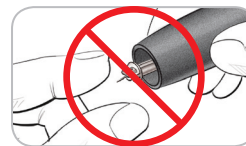
Options, you will not have the option to send the result to your pump. If **Ask Me** was selected in Send Options, you can choose to send your result to your pump after each blood sugar test. Press **Send** or **Don't Send**. If **Send** is chosen, press **OK** on the Send confirmation screen. You can change your send option at any time using the Setup Menu (see page 42).

**WARNING**

- Do not calculate a bolus based on an AST result.
- Do not calibrate your continuous glucose monitoring device from an AST.

If you have completed your test, remove the test strip from the meter. Press and hold the top **Menu** button to turn off the meter. The meter also turns off after 3 minutes of inactivity.

### Ejecting and Disposing of the Used Lancet



1. Do not use your fingers to remove the lancet from the lancing device. Your device has an automatic lancet ejection feature.
2. Refer to the separate lancing device insert provided with your kit for instructions on automatic ejection of the lancet.

**WARNING**

- Dispose of the used lancet as medical waste or as advised by your health care professional.
- Do not reuse lancets. Use a new lancet each time you test.




**WARNING: Potential Biohazard**

- Always dispose of test strip and lancet as medical waste or as advised by your health care professional. All products that come in contact with human blood should be handled as if capable of transmitting infectious diseases.
- Please refer to your lancing device package insert for instructions on how to properly remove and dispose of the lancet.

## Test Results — Expected Values

Blood glucose values will vary depending on food intake, medication dosages, health, stress or activity. Non diabetic plasma glucose concentrations are normally maintained within a relatively narrow range, approximately 3.9 - 6.1 mmol/L in a fasting state.<sup>6</sup>


**WARNING**

You should consult your health care professional for glucose values specific to your needs.

- If your blood sugar reading is under 2.8 mmol/L, follow medical advice immediately.
- If your blood sugar reading is over 13.9 mmol/L, wash and dry your hands well and repeat the test with a new strip. If you get a similar result, follow medical advice immediately.
- Always consult your health care professional before changing your medication based on test results.

## High and Low Blood Sugar Alert Screens

Your meter has been preset with a low blood sugar (hypoglycaemia) value of 3.9 mmol/L and a high blood sugar (hyperglycaemia) value of 13.9 mmol/L. These are the preset values, but can be customized by you and/or your health care professional. You can change the High and Low Alert levels under Main Menu, Setup option (see page 52).

If your blood sugar reading is under your low blood sugar alert level:



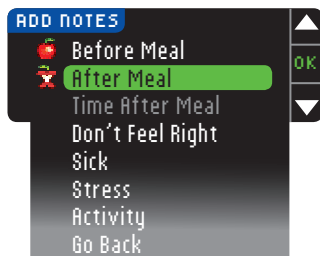
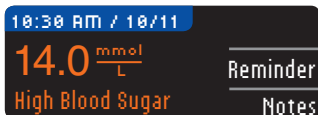
- A screen with large orange numbers alerts you that your blood sugar is low.

If your blood sugar reading is over your high blood sugar alert level:



- A screen with large orange numbers alerts you that your blood sugar is high.





- If AutoLog is ON and you did not mark your result before the High or Low alert appeared, select **Notes**.
- Press the ▲ or ▼ button to scroll through the choices.
- Press **OK** when your choice is highlighted.

**NOTE: If the highlight is over an item that has previously been selected, you will see a red "X" instead of "OK."**

## Testing in the Dark

Your meter has a lighted test strip port to help you test in the dark.

- With the meter off, give the top **Menu** button two quick presses to turn on the test strip port light.
- Insert a test strip and the display screen appears.
- Once blood is applied to the test strip, the light goes off.
- Continue with your test.
- Two quick presses of the top **Menu** button also turns off the light.

## Control Solution Testing



**Shake the control solution well before testing.**

**CAUTION:** Use only CONTOUR®NEXT control solution (Normal, Low and High) with your CONTOUR®NEXT LINK blood glucose monitoring system. Using anything other than CONTOUR NEXT control solution can cause inaccurate results.

## Quality Control



- Shake the control solution bottle well, about 15 times before every use.

- Unmixed control solution may cause inaccurate results. You should perform a control test when:
- using your meter for the first time
- you open a new bottle or package of test strips
- you think your meter may not be working correctly
- you have repeated, unexpected blood glucose results



- **Do not calibrate your continuous glucose monitoring device from a control result.**
- **Do not calculate a bolus based on a control result.**

**CAUTION:** Check the expiry date on the test strip bottle and the expiry date and discard date on the control solution bottle. **DO NOT** use expired materials.

Normal, Low and High control solutions are available separately if not included in the meter kit. You can test your CONTOUR NEXT LINK meter with control solution when the temperature is 15°C – 35°C. Always use CONTOUR NEXT control solutions. Other brands could present incorrect results. If you need help locating CONTOUR NEXT control solutions, contact Customer Service. Please see back cover for contact information.



1. Remove the test strip from the bottle and firmly snap the lid closed.



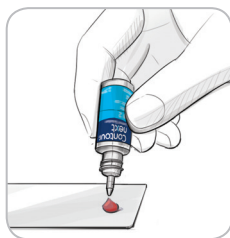
2. Hold the test strip with the grey square end facing up.



3. Insert the grey square end of the test strip into the test strip port until the meter beeps.



4. You will see the **Apply Blood** screen. The meter is now ready for you to test.

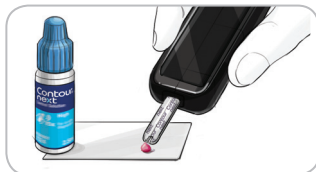


5. Shake the control solution bottle well, about 15 times before every use.

6. Remove bottle cap and use a tissue to wipe away any solution around the bottle tip before dispensing a drop.

7. Squeeze a small drop of control solution onto a clean nonabsorbent surface.

**Do not apply control solution to your fingertip or to the test strip directly from the bottle.**



8. Immediately touch the tip of the test strip to the drop of control solution.
9. Hold the tip in the drop until the meter beeps.

10:30 AM / 10/11

6.7  $\frac{\text{mmol}}{\text{L}}$   
Control Test

10. The meter shows the AutoLog screen (if AutoLog is ON) but will sense control solution. The meter will count down

for 5 seconds and the control test result will display on the meter. It automatically marks the result as a "Control Test" and stores it in the memory. Control test results are not included in your blood sugar averages.



11. Compare your control test result with the range printed on the test strip bottle or the bottom of the test strip box.
12. Remove test strip. To turn the meter off, press and hold the **Menu** button, OR, after 3 minutes of inactivity, the meter turns off. Dispose of the used test strip as medical waste or as advised by your health care professional.

**NOTE: Control test results that are marked as "Control Test" are not transmitted to the pump.**

### ⚠ WARNING

- If the control solution test result is out of range, the result may be transmitted to your pump when in "Always" send mode (see page 30).
- Do not send an out of range control result to your pump.

**CAUTION:** If the result you get does not fall within the range listed on the test strip bottle label or carton, there may be a problem with the test strips, the meter or your testing technique.




If your control test result is out of range, do not use your CONTOUR®NEXT LINK meter for blood glucose testing until you resolve the issue. Contact Customer Service. Please see back cover for contact information.



## Features

Your CONTOUR®NEXT LINK meter includes many testing features.

### AutoLog (Marking Your Results)

Your meter comes with an AutoLog feature that lets you mark your test result as  Fasting,  Before Meal,  After Meal and No Mark.

**Your meter comes with AutoLog OFF.** If you would like to see your results when Fasting, Before Meal or After Meal, we recommend that you turn on this feature (see page 47).



If you have turned AutoLog ON in Setup, before your test result is displayed, the AutoLog screen appears. However, if your result is above your High Alert setting or below your Low Alert setting, you will always see your result in 5 seconds without pressing a button.

### Sending Results to Your Pump

You can send your results to the pump during testing. During Initial Setup (Send Options) or in Setup (Pump Options - Send Options), choose **Ask Me** or **Always**.



If **Always** was selected in Send Options during Setup, your result is automatically sent to your pump. If **Never** was selected in Send

Options, you will not have the option to send the result to your pump. If **Ask Me** was selected in Send Options, you can choose to send your result to your pump after each blood sugar test.

Press **Send** or **Don't Send**. You can change your Send Option at any time using the Setup Menu (see page 42).

### CAUTION:

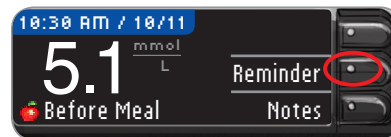
- You may want to test with Send Options set to Never if you do not want to create a wireless signal (for example, if you have been asked to turn off all electronic devices in an aircraft).
- Always check the display on your pump to ensure that the glucose result shown agrees with the meter display.

## Test Reminders

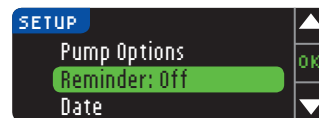
A reminder for your next test can be set after testing OR from the Setup Menu (see page 43).

A reminder can be set in 15-minute increments from 15 minutes to 23 hours, 45 minutes.

### Setting a Test Reminder

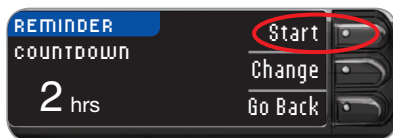


1. With the test strip still in the meter, press **Reminder**.



**OR** from the Setup Menu press the ▼ button to highlight **Reminder: Off**. Press **OK** to turn the Reminder ON.





2. Press **Start** to begin the countdown. The preset time is 2 hours or, if you have changed it, the last reminder time that you set is now the default.



You can change the Reminder Countdown time by pressing **Change**.

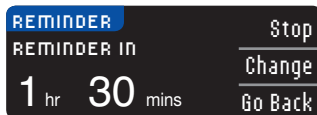
### Turning Off a Test Reminder

A reminder can be turned off or changed after testing or from the Setup Menu.

**NOTE: If you do a blood sugar test within 15 minutes of a set reminder, the reminder turns off automatically.**



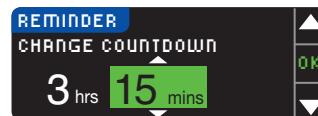
1. Press **Reminder**. If the countdown is currently on, the screen will read "Reminder In" with the remaining amount of time displayed.



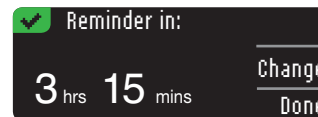
2. To stop the countdown, press **Stop**. A confirmation screen appears and the countdown stops.

### Changing a Reminder Time

1. Press the **▲** or **▼** button to select the correct hours and minutes (in 15-minute increments).



2. Press **OK** after each selection.



A screen confirms the reminder countdown time.

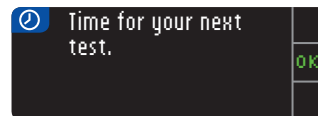
When the Reminder feature is on, the clock symbol appears in the headers on the Setup and Main Menu screens.

The meter retains the reminder time that you set until you change it or turn it off.

### Getting a Reminder

When the reminder time is reached, 20 beeps will sound. The meter will turn on and a reminder screen will appear.

You can stop the beeps in two ways:



1. Press **OK**, insert a test strip and proceed with testing, OR
2. Insert a test strip and proceed with testing (see page 12).

**NOTE: If you decide to test within 15 minutes before the reminder time, the countdown is stopped with the insertion of the test strip. Proceed with testing.**



## Notes

You may add notes to your test result that may help explain results. Your notes will be saved in the Logbook. The option to add a note is available only after a test result.

1. From the test result screen, press **Notes**.



2. Press the ▲ or ▼ button to scroll through the choices. Some may not be visible until you scroll down. Press **OK** when your choice is highlighted. A screen confirms your choice.



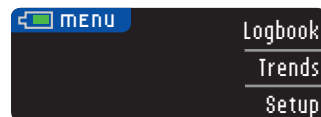
### NOTE:

- If the highlight is over an item that has previously been selected, you will see a red “X” instead of “OK.”
- When you choose **After Meal**, **Time After Meal** will become selectable. Select **Time After Meal** and then you can select times from 15 minutes to 3 hours.

After the confirmation screen disappears, you may remove the note or add one or more notes by repeating the steps above. The notes will scroll across the bottom so that you can read them all. While you can add more than one note, only one AutoLog option can be chosen (e.g., Fasting, Before Meal or After Meal).

## Using the Main Menu

The Main Menu has three choices: Logbook, Trends and Setup. Select one by pressing the button next to your choice.



### Logbook

The Logbook contains blood sugar test results and notes that you have made to those test results. The Logbook will hold up to 1,000 results. When the maximum is reached, the oldest test result will be removed as a new test is completed and saved to the Logbook. A sound indicates the last entry.

1. To review entries in the Logbook, press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Logbook**.



3. You can scroll through all your stored test results using the ▼ button.



When you reach the oldest entry you will see the End of Logbook screen.



## Trends (Averages and Summaries)

The Trends feature displays your averages and your results as they compare to your Targets, over a period of time that you select. The options available are 7, 14, 30 and 90 day averages. Your meter has been preset to 14 day averages, but you can change this under Trends Range in the Setup Menu (see page 51).

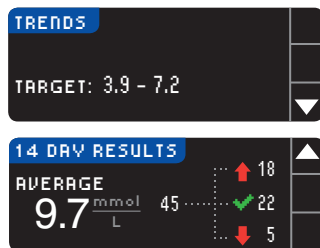
**Your 90 day average is not intended to be reflective of your HbA1c result.**

Your screen will display the total number of test results included in the average and the number of tests above ▲, within ▲ and below ▼ Target.

### Viewing Trends With AutoLog Off

Your meter has been preset to 14 day averages. You can change the Trends time range to 7, 30 or 90 days in Setup.

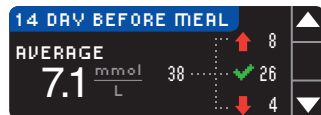
1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Trends**.



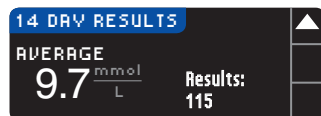
3. Press the ▼ button to display the **14 Day Results** screen.

### Viewing Trends With AutoLog On

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the ▼ button to highlight **Trends**. Press **OK** to select.
3. Press the ▼ button to display the 14 Day Fasting Average. If you have marked any test results as Fasting, you will see your Fasting Average first.
4. Press the ▼ button to go to the 14 Day Before Meal Average.



This example shows that your Before Meal average is 7.1 mmol/L and 38 test results are included in the Before Meal average with 26 within ▲ the Target range, 8 above ▲ the Target range and 4 below ▼ the Target range.



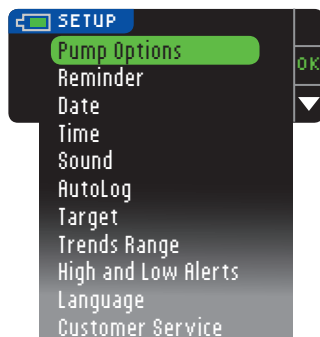
5. Press the ▼ button to go to the 14 Day After Meal Average.
6. Press the ▼ button to go to the 14 Day Results screen.



## Setup

You can view and change options on your meter and personalise it from the Setup Menu.

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



The current settings in the meter for the **Reminder**, **Date**, **Time**, **Sound** and **AutoLog** can be viewed by scrolling through the Setup Menu items. To view the settings of the other items, or to make any changes to any of the items, you can select the item using the ▲ and ▼ keys and pressing **OK**.

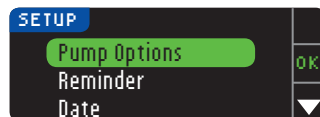
## Pump Options

Pump Options allows you to connect to a Medtronic pump and change your Send Settings (how your blood sugar readings are sent to your pump).

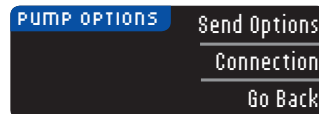
## Connecting the Meter and Pump

You can send blood sugar results to your pump if your meter and pump are connected.

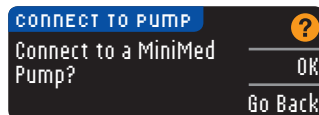
1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



3. Press **OK** to select **Pump Options**.

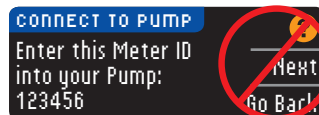


4. Press **Connection**.



5. Press **OK** to begin the connection process.

**NOTE:** Pump refers to your compatible Medtronic device.



6. **STOP. Do NOT** press **ANY** buttons.

This screen displays the meter ID number (in the bottom left corner). This ID is needed to complete the connection process.

Put down your meter. Pick up the compatible Medtronic device and continue with Step 7.



7. Press **ACT** to go to the **MAIN MENU**. Scroll to **Utilities** by pressing the down arrow. Press **ACT**.





**NOTE:** If your UTILITIES MENU does not contain **Connect Devices**, scroll to **Meter Options** and press **ACT**.



8. Scroll to **Connect Devices** and press **ACT**.

Then scroll to **Meters** and press **ACT**.

9. Select **On** and press **ACT**. If you are **replacing** a meter, go to **Step 10**. If you are **adding** a new meter, go to **Step 12**.

10. To replace a meter, select **Delete ID** and press **ACT**.

11. If you have multiple meter IDs, repeat Step 10 for each one.

12. To add a new meter, select **Add ID** and press **ACT**. Refer to Step 6 (or see meter back) to find meter ID (SN). Use the up and down arrow buttons to enter the six character meter ID shown on the meter screen. Press **ACT** after each character entry.



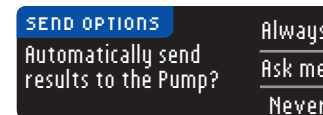
**NOTE:** For detailed instructions, see your compatible Medtronic device user guide.



15. After the meter and pump are connected, you set your **Send Options**. This controls how your meter sends blood glucose readings to your Medtronic pump. Choose the **Send Option** that is best for you.

Your options are:

<b>Always</b>	Meter will always send results
<b>Ask Me</b>	Meter will ask you before sending results
<b>Never</b>	Meter will never send results

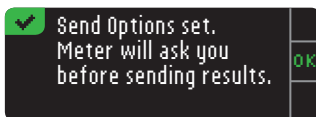


13. Select **Review ID** on your compatible Medtronic device to confirm that your CONTOUR®NEXT LINK meter ID has been correctly entered. If incorrect, go back to Step 10.

14. Return to your CONTOUR NEXT LINK meter. After you have entered the meter ID into your compatible Medtronic device, press **Next**.

To change your choice, see page 42.





16. The next screen confirms your Send Option choice. Press **OK**.

**NOTE:** If you want to disconnect the pump from the meter, you do not need to take action on your meter. Please refer to your Medtronic device user guide.

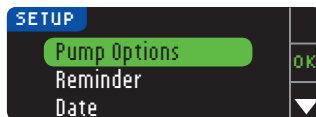
### Changing the Send Option

Send Options control how your meter sends your test results to your pump. You have 3 choices:

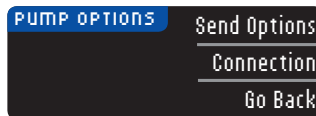
<b>Always</b>	Meter will always send results
<b>Ask Me</b>	Meter will ask you before sending results
<b>Never</b>	Meter will never send results

**NOTE:** You may want to test with the Send Option set to **Never** if you do not want to create a wireless signal (for example, if you have been asked to turn off all electronic devices on an aircraft).

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.

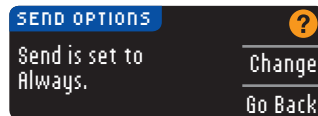


3. Press the ▼ button to highlight **Pump Options**. Press **OK** to select.

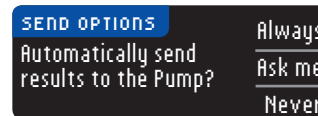


4. Press **Send Options**.

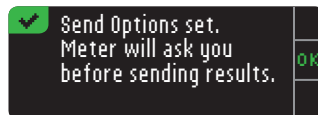
**NOTE:** For Connection settings, see page 38.



5. To change the current Send Option, press **Change**.



6. Choose the Send Option that is best for you.



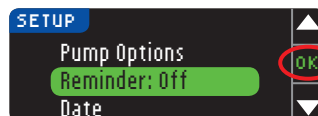
7. A confirmation screen appears. Press **OK** to return to Pump Options.

### Test Reminders

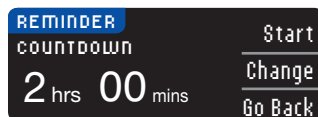
A reminder for your next test can be set after testing or from the Setup Menu. See page 31 for Setting a Test Reminder after Testing.

### Setting a Reminder

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.

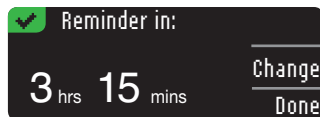
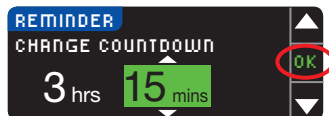


3. Press the ▼ button to highlight **Reminder: Off**. Press **OK** to turn ON the reminder.



4. To accept the preset time shown, select **Start**. To change the time, select **Change**. Use the ▲ and ▼ buttons to change the reminder time in 15-minute increments from 15 minutes to 23 hours, 45 minutes.





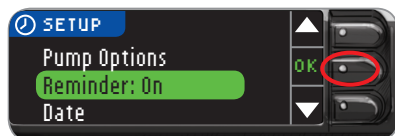
If you accept the reminder, a reminder icon ⌚ will appear in the Setup and Main Menu headers.

**NOTE:** If you decide to test within 15 minutes before the reminder time, the countdown stops when you insert a test strip.

### Turning Off a Reminder

To turn off a reminder, you can use the Setup Menu or do a blood sugar test within 15 minutes of the reminder time. To use the Setup Menu:

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.

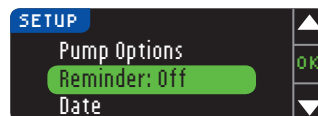


5. After you have selected hours, press **OK**. After you have selected minutes, press **OK**.

6. A confirmation screen appears and you can select **Change** or **Done**.

3. Press the ▼ button to highlight **Reminder: On**. Press **OK** to turn the Reminder OFF.

4. Select **Stop**. A confirmation screen appears and the countdown stops.

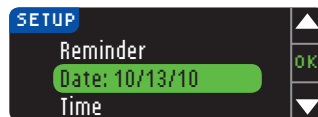


5. Reminder is now off.

### Date and Time

#### Setting or Changing the Date

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



3. Press the ▼ button to highlight **Date**. Press **OK** to select.



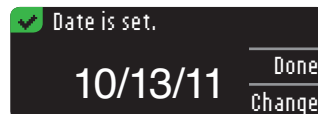
4. To change the date, press **Change**.



5. Select either format, **Month/Day/Year** or **Day.Month.Year**.



6. Press the ▲ or ▼ button to select the correct year, month and day. Press **OK** after each selection.

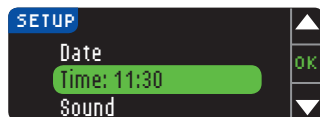


7. A screen confirms the date you entered. Press **Done** if the date is correct.



## Setting or Changing the Time

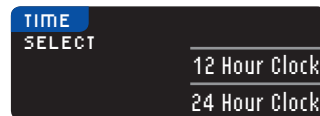
1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



3. Press the ▼ button to highlight **Time**. Press **OK** to select.



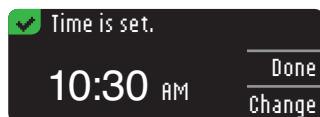
4. To change the time, press **Change**.



5. Select either the **12 Hour Clock** or **24 Hour Clock** option.



6. Press the ▲ or ▼ button to select the correct hour and minute. Press **OK** after each selection.
7. If you have selected the 12 hour clock format, press the ▲ or ▼ button to select **AM** or **PM**.



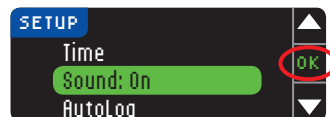
8. Time is set. A screen confirms your choice. Press **Done**.

## Sound

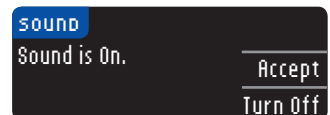
## Turning the Sound On/Off

Sound is ON when you receive your meter. Some error messages and the Reminder bell will override the Sound Off setting.

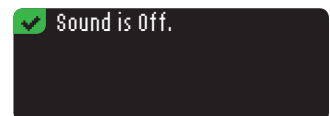
1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



3. Press the ▼ button to select **Sound**. Press **OK**.



4. To turn the sound OFF, press **Turn Off**. To keep the sound turned ON, press **Accept**.



A screen confirms your choice.

## AutoLog

**NOTE:** Your meter comes with AutoLog turned OFF.

The AutoLog feature lets you mark your test result as



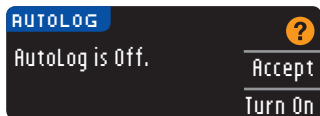
## To Turn On AutoLog

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.

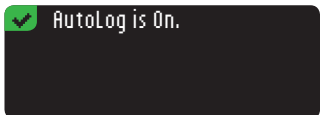




- Press the ▼ button to highlight **AutoLog**. Press **OK** to select.



- Press **Turn On** to activate AutoLog.



A screen confirms your choice.

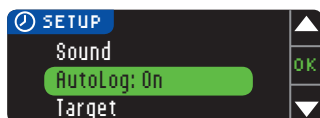
#### NOTE:

- When you change your AutoLog setting to ON, you are asked to confirm your Target settings for Fasting, Before Meal and After Meal.
- Your test result does not display until you make an AutoLog selection.
- If your result is above or below your High or Low Alert settings, you will see your result without pushing a button.

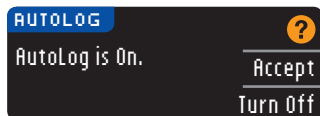
#### To Turn Off AutoLog

**NOTE:** Your meter comes with AutoLog OFF.

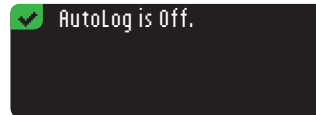
- Press and hold the top **Menu** button to turn the meter on.
- Press the button next to **Setup**.



- Press the ▼ button to highlight **AutoLog**. Press **OK** to select.



- To turn AutoLog OFF, press **Turn Off**.



A screen confirms your choice.

**NOTE:** When you change your AutoLog setting to OFF, you are asked to confirm your Target setting.

#### Blood Sugar Targets

Targets are your personal ranges for your blood sugar results. With AutoLog OFF, you have a single Target range. With AutoLog ON, you have Target ranges for Fasting, Before Meal, and After Meal.



#### WARNING

Talk to your health care professional before setting any Target ranges on your meter.

#### Changing Targets With AutoLog Off

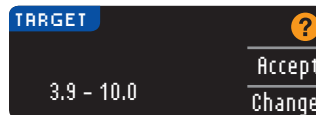
When AutoLog is OFF, you have only one Target range. It comes preset to 3.9 - 10.0 mmol/L.

**NOTE:** Targets can only be set inside your selected Alert level(s). For additional information, please contact Customer Service. Contact information for Customer Service is on the back cover.

- Press and hold the top **Menu** button to turn the meter on.
- Press the button next to **Setup**.

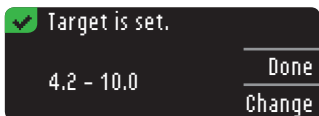
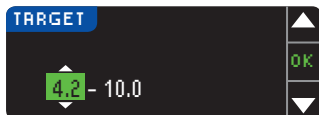


- Press the ▼ button to highlight **Target**. Press **OK** to select.



- To make changes to your Target range, press **Change**.





5. Use the ▲ or ▼ button to change each value of the Target. Press **OK** after each selection.

A screen confirms your choice.

### Changing Targets With AutoLog On

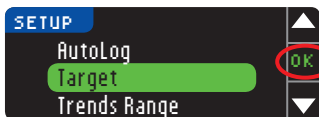
When AutoLog is ON, your CONTOUR®NEXT LINK meter comes preset with the following Target ranges for testing:

	Fasting	3.9 - 7.2 mmol/L
	Before Meal	3.9 - 7.2 mmol/L
	After Meal	3.9 - 10.0 mmol/L

Ranges can be changed to personal Targets decided by you and/or your health care professional.

**NOTE: Targets can only be set inside your selected Alert level(s). For additional information, please contact Customer Service. Contact information for Customer Service is on the back cover.**

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



3. Press the ▼ button to highlight **Target**. Press **OK** to select.



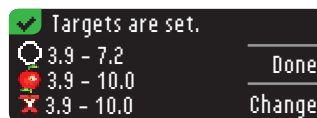
4. To make changes to your Fasting Target range, press **Change**, otherwise press **Accept**.



5. Press the ▲ or ▼ button to select your desired Fasting Targets. Press **OK** after each selection.

6. Repeat this process to set your personal Before Meal Targets and After Meal Targets.

7. Press **OK** after each selection.



A screen confirms that all Target ranges are set.

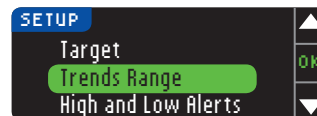
If correct, press **Done** to return to the Setup Menu.

To make changes, press **Change** and repeat the process.

### Trends Range

The Trends feature displays your averages and your results as they compare to your Targets, over a period of time that you select. The options available are 7, 14, 30 and 90 day averages. Your meter has been preset to 14 day averages, but you can change this in Setup.

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



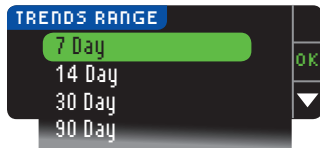
3. Press the ▼ button to highlight **Trends Range**.
4. Press **OK** to select.



5. Your current setting is displayed. You can **Accept** or **Change** your current setting.

**NOTE: Your 90 day average is not intended to be reflective of your HbA1c result.**





6. Select 7, 14, 30 or 90 Day by using the ▼ button and then press **OK**.

A screen confirms your choice.

### High and Low Alerts

The High and Low Alerts tell you that your test result is above or below the setting you choose. Alerts appear as large orange numbers. Results above High are marked High Blood Sugar. Results below Low are marked Low Blood Sugar.

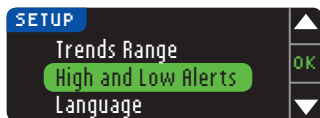
**NOTE: Alerts can only be set outside your selected Target Range(s). For additional information, please contact Customer Service. Contact information for Customer Service is on the back cover.**



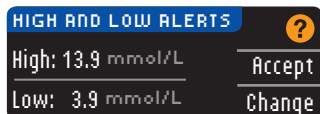
#### WARNING

Talk to your health care professional before setting any High or Low Alerts on your meter.

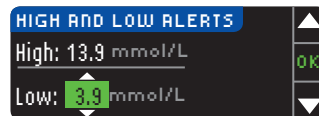
1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



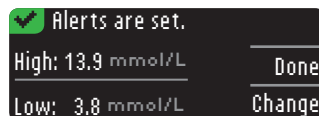
3. Press the ▼ button to highlight **High and Low Alerts**. Press **OK** to select.



4. Choose **Accept** to use the preset Alert levels (or the Alert levels you chose during initial setup) for High and Low Alerts. The preset High Alert is 13.9 mmol/L and the preset Low Alert is 3.9 mmol/L.
5. Choose **Change** if you wish to use different Alert levels.



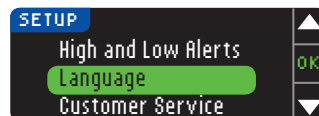
6. Press the ▲ or ▼ button to select your High and Low Alert. Press **OK** after each selection.



7. The next screen confirms your choices. Press **Done**.

### Set Language

1. Press and hold the top **Menu** button to turn the meter on.
2. Press the button next to **Setup**.



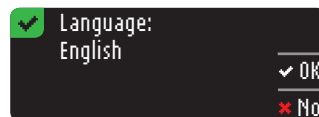
3. Press the ▼ button to highlight **Language**. Press **OK** to select.

These meter screen images are for illustration purposes only.



4. Press the ▲ or ▼ button to select the language you prefer. Press ▼ to see more choices. Press **OK**.

This screen example shows the language selections. The language order may differ depending on your country.



5. Verify that the language you selected is displayed. Press **OK** to confirm. If the correct language is not displayed, press **No**.

### Customer Service

This option is to be used if you are speaking to a Customer Service representative. They will give you a code that enables them to verify certain settings. It is not for use any other time. Please see back cover for contact information.



## Technical Information and Care

### Transferring Data to Medtronic's CareLink® Personal Software



You can easily transfer blood glucose results from your meter to CareLink Personal software.

You can also wirelessly transfer data from your compatible pump to CareLink Personal software using your CONTOUR®NEXT LINK meter.

1. Refer to the CareLink Personal software user guide for instructions on how to set up CareLink software and load the required drivers onto your computer.
2. If you are running GLUCOFACETS®DELUXE diabetes management software on your computer, you must close it.
3. Start up CareLink Personal software. Follow the instructions to plug your CONTOUR NEXT LINK meter into a USB port on your computer. CareLink Personal software will automatically find the CONTOUR NEXT LINK meter and your compatible pump.

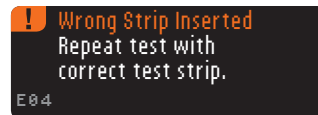
Your CONTOUR NEXT LINK meter is also compatible with GLUCOFACETS DELUXE diabetes management software, which may not be available in all countries.

**IMPORTANT:** The CONTOUR NEXT LINK meter has only been tested for use with Medtronic's CareLink Personal software and GLUCOFACETS DELUXE diabetes management software. Ascensia Diabetes Care is not responsible for any erroneous results from the use of other software.

For more information, contact Customer Service. Please see back cover for contact information.

## Error Detection Displays


- An error screen will always have an "E" with a number in the lower left corner of the display.

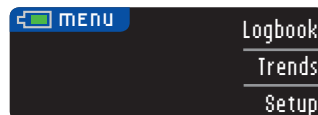


- If there is an error (hardware, software, testing errors) detected by your meter, your meter will beep twice.
- You will see specific instructions to guide you. The first line of the error screen will tell you the error. The next lines describe what you should do. When an error screen displays an **OK**, press the button next to it to continue.
- If you do not resolve the problem, contact Customer Service. Please see back cover for contact information.

## Battery Status

### Battery Status Displays

The battery status is displayed with a battery symbol  on the Apply Blood screen and the Main Menu screen. It shows how much battery life is left.



This screen displays full battery.

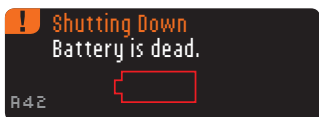




As the battery is used, the battery symbol on the screen gradually shows less fill colour. The colour of the battery fill turns yellow when the battery is low and then red when your battery is almost out of charge.



A series of low battery alerts tell you that the battery is low and to **Charge Soon**.



If you do not charge the battery, a display alerts you: **"Shutting Down, Battery is dead."** You must charge immediately.

Plug the meter into your wall charger or into the USB port of your computer. Make sure your computer is turned on and not in sleep, hibernate or power save mode.

The test strip port light flashes during charging and stops flashing and turns off when charging is complete. Please remove the meter and store in the wallet until you are ready to test.

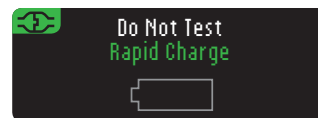
### Battery Charging

When you plug your meter into your wall charger or computer, it starts to charge immediately. While the battery charges, the test strip port light flashes slowly.

Press the top **Menu** button at any time to display the charging status.

### Rapid Charge

If the battery is low when you plug in your meter, it will Rapid Charge for about 1 minute. You can run a blood sugar test as soon as Rapid Charge is complete and you have unplugged the meter.



### Normal Charging

When Rapid Charge ends, normal charging is expected to last up to 2 hours when plugged into a high-powered USB port. When the battery is fully charged, the test strip port light turns off.

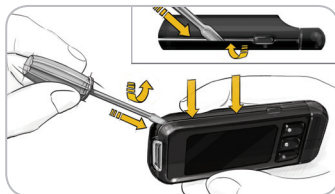
**CAUTION:** Please be aware that USB ports in some computers and self-powered USB hubs can become much warmer than the room. If you wish to test immediately after disconnecting from your computer, please use the USB cable to protect the meter from exposure to heat created by the computer.

**NOTE:** If the charging status displays **"Low Power Charging,"** your **CONTOUR®NEXT LINK** meter may be plugged into a low-powered USB port. Please try a different USB port on your computer. Only connect to a computer or a 5V charger that displays a CE mark.



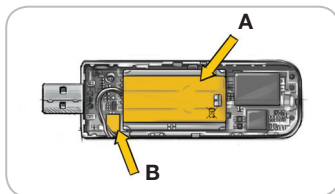
## End of Meter Life/Battery Removal

**NOTE: Carry out this process only when you no longer intend to use the meter. The meter will not be functional once opened to remove the battery.**



To remove the battery for proper disposal, you will need to pry the upper and lower cases apart.

With a screwdriver, beginning near the strip port, insert the tip of the screwdriver and twist to pry the case loose. Continue to do this down the side until the upper case comes apart.



Pry up rechargeable battery here (A).

Disconnect battery by pulling battery connector (B).

**Dispose of the meter and lithium polymer battery in accordance with your local/country laws and regulations.**

## Symptoms of High or Low Blood Sugar

You can better understand your test results by being aware of the symptoms of high or low blood sugar. Some of the most common symptoms are:

Low blood sugar (Hypoglycaemia):	High blood sugar (Hyperglycaemia):	Ketones (Ketoacidosis):
<ul style="list-style-type: none"> <li>• Shakiness</li> <li>• Sweating</li> <li>• Fast Heartbeat</li> <li>• Blurred Vision</li> <li>• Confusion</li> <li>• Passing Out</li> <li>• Irritability</li> <li>• Seizure</li> <li>• Extreme Hunger</li> <li>• Dizziness</li> </ul>	<ul style="list-style-type: none"> <li>• Frequent Urination</li> <li>• Excessive Thirst</li> <li>• Blurred Vision</li> <li>• Increased Fatigue</li> <li>• Hunger</li> </ul>	<ul style="list-style-type: none"> <li>• Shortness of Breath</li> <li>• Nausea or Vomiting</li> <li>• Very Dry Mouth</li> </ul>

### ! WARNING

**If you are experiencing any of these symptoms, test your blood sugar. If your test result is under 2.8 mmol/L or above 13.9 mmol/L, contact your health care professional immediately.**

For additional information and a complete list of symptoms, contact your health care professional.



## Technical Information

### Accuracy

The CONTOUR®NEXT LINK blood glucose monitoring system was tested in 100 capillary blood samples using 600 CONTOUR®NEXT test strips. Two replicates were tested with 3 lots of CONTOUR NEXT test strips for a total of 600 readings. Results were compared to the YSI glucose analyzer, which is traceable to the CDC hexokinase method.<sup>7</sup> The tables below compare the performance of the 2 methods.

**Table 1** — System accuracy results for glucose concentration < 5.55 mmol/L

Within ± 0.28 mmol/L	Within ± 0.56 mmol/L	Within ± 0.83 mmol/L
160 of 186 (86.0%)	186 of 186 (100%)	186 of 186 (100%)

**Table 2** — System accuracy results for glucose concentration ≥ 5.55 mmol/L

Within ± 5%	Within ± 10%	Within ± 15%
308 of 414 (74.4%)	411 of 414 (99.3%)	414 of 414 (100%)

**Table 3** — System accuracy results for glucose concentrations between 2.0 mmol/L and 26.5 mmol/L

Within ± 0.83 mmol/L or ± 15%	600 of 600 (100%)
-------------------------------	-------------------

Acceptance criteria in ISO 15197: 2013 are that 95% of all differences in glucose values (i.e., between reference method and meter) should be within ± 0.83 mmol/L for glucose values less than 5.55 mmol/L, and within ± 15% for glucose values greater than or equal to 5.55 mmol/L.

### User Accuracy

A study evaluating glucose values from fingertip capillary blood samples obtained by 204 lay persons using CONTOUR®NEXT USB meters, which are equivalent meters without the ability to communicate with an insulin pump, showed the following results: 100% within ± 0.83 mmol/L of the medical laboratory values at glucose concentrations below 5.55 mmol/L and 98.0% within ± 15% of the medical laboratory glucose concentrations at or above 5.55 mmol/L.

### Precision

A repeatability study was conducted with the CONTOUR®NEXT LINK blood glucose monitoring system using 5 venous whole blood specimens with glucose levels from 2.4 to 18.2 mmol/L. Multiple replicates (n=300) were tested using multiple CONTOUR NEXT LINK blood glucose meters and 3 lots of CONTOUR®NEXT blood glucose test strips. The following precision results were obtained.

**Table 4** — System repeatability results for CONTOUR NEXT LINK meter using CONTOUR NEXT test strips

Mean, mmol/L	Pooled Standard Deviation, mmol/L	95% Confidence Interval of Standard Deviation, mmol/L	Coefficient of Variation, (%)
2.41	0.05	0.047 - 0.055	2.1
4.50	0.11	0.098 - 0.117	2.4
6.78	0.08	0.074 - 0.087	1.2
11.46	0.14	0.130 - 0.154	1.2
18.34	0.35	0.327 - 0.387	1.9



Intermediate precision (which includes variability across multiple days) was evaluated using 3 control solutions. With each of 3 lots of CONTOUR®NEXT test strips, each control was tested once on each of 10 instruments on 10 separate days for a total of 300 readings.

**Table 5** — System intermediate precision results for CONTOUR®NEXT LINK meter using CONTOUR NEXT test strips

Control Level	Mean, mmol/L	Standard Deviation, mmol/L	95% Confidence Interval of Standard Deviation, mmol/L	Coefficient of Variation, (%)
Low	2.58	0.05	0.048 - 0.057	2.0
Normal	7.31	0.12	0.113 - 0.134	1.7
High	21.85	0.43	0.400 - 0.474	1.9

### Principles of the Procedure

The blood glucose test is based on measurement of electrical current caused by the reaction of the glucose with the reagents on the electrode of the strip. The blood sample is drawn into the tip of the test strip through capillary action. Glucose in the sample reacts with FAD glucose dehydrogenase (FAD-GDH) and the mediator. Electrons are generated, producing a current that is proportional to the glucose in the sample. After the reaction time, the glucose concentration in the sample is displayed. No calculation is required.

### Comparison Options

The CONTOUR®NEXT LINK system is designed for use with capillary whole blood. Comparison to a laboratory method must be done simultaneously with aliquots of the same sample. Note: Glucose concentrations drop rapidly due to glycolysis (approximately 5%-7% per hour).<sup>8</sup>



## Service Information

If you have a problem and none of the problem solving messages on the meter help, contact Customer Service. Please see back cover for contact information. We have trained specialists to help you.


### Important

Speak to a Customer Service Representative before returning your meter for any reason. He/she will give you the information needed to get your problem handled correctly and efficiently.

Please have your CONTOUR®NEXT LINK blood glucose monitoring system and CONTOUR®NEXT test strips available when you phone. It would also be helpful to have a bottle of CONTOUR®NEXT control solution suitable for your test strips nearby.

### Check List

















This check list may be helpful when speaking with Customer Service:



1. Locate the model number (A) and serial number (B) on the back of the meter.
2. Locate the test strips' expiry date on the bottle.
3. Check the battery symbol  on the screen. (See page 55, Battery Status.)



## Symbols Used

The following symbols are used throughout the product labeling for the CONTOUR®NEXT LINK blood glucose monitoring system (meter packaging and labeling, and reagent and control solution packaging and labeling).

Symbol	What It Means	Symbol	What It Means
	Use by date (last day of month)		Control Range Normal
	Batch code		Control Range Low
	Control Discard Date		Control Range High
	Temperature limitations		Do not reuse
	Consult instructions for use		Sterilized using irradiation
	In Vitro Diagnostic Medical Device		
	Manufacturer		Shake 15 times
	Catalogue number		
	Number of test strips included		Caution

Symbol	What It Means
	Batteries must be disposed of in accordance with laws in your country. Contact your competent local authority for information on the relevant laws regarding disposal and recycling in your area. The meter should be treated as contaminated and disposed of according to local safety rules. It should not be disposed of with waste electronic equipment.
	The USB cable is waste electrical and electronic equipment. Do not dispose in household waste. Remember to follow local regulations.

Contact your health care professional or local waste disposal authority for medical waste disposal guidelines.



## System Specifications

**Test Sample:** Capillary whole blood

**Test Result:** Referenced to plasma/serum glucose

**Sample Volume:** 0.6 µL

**Measuring Range:** 1.1 mmol/L to 33.3 mmol/L

**Countdown Time:** 5 seconds

**Memory:** Stores most recent 1,000 test results

**Battery Type:** Non-serviceable, 250mAh rechargeable lithium polymer battery, 3.4V – 4.2V (5V input voltage)

**Meter/Battery Life:** 5 years

**Charging Current:** 300 mA

**Strip Storage Temperature Range:**  0°C–30°C

**Normal Control Storage Temperature Range:**  9°C–30°C

**Meter Operating Temperature Range:**  5°C–45°C

**Control Solution Operating Temperature Range:**  15°C–35°C

**Meter Operating Humidity Range:** 10%–93% RH

**Dimensions:** 97 mm wide x 31 mm high x 18 mm thick

**Weight:** 43 grams

**Sound Output:** 45 to 80 dBA at a distance of 10 cm

**Radio Transmitter Frequency:** 868.35 MHz (North America, South America, Canada, and Australia: 916.5 MHz)

**Maximum Radio Transmitter Power:** 0 dBm EIRP

**Electromagnetic Compatibility (EMC):**

The CONTOUR®NEXT LINK meter complies with the electromagnetic requirement specified in ISO 15197:2013. Electromagnetic emissions are low and unlikely to interfere with other nearby electronic equipment, nor are emissions from nearby electronic equipment likely to interfere with the CONTOUR NEXT LINK meter. The CONTOUR NEXT LINK meter meets the requirements of IEC 61000-4-2 for immunity to electrostatic discharge. Avoid use of electronic devices in very dry environments, especially if synthetic materials are present. The CONTOUR NEXT LINK meter

meets the requirements of IEC 61326-1 for radio frequency interference. To avoid radio frequency interference, do not use the CONTOUR®NEXT LINK meter near electrical or electronic equipment that are sources of electromagnetic radiation, as these may interfere with the proper operation of the meter.

## Caring for Your Meter

**CAUTION:** Avoid exposing meter and test strips to excessive humidity, heat, cold, dust or dirt.

- Store your meter in the wallet provided whenever possible.
- **Wash hands and dry well before handling to keep the meter and test strips free of water, oils and other contaminants.**
- Keep blood, control solution and cleaning fluid from entering the test strip port or USB port.
- Handle the meter carefully to avoid damaging the electronics or causing other malfunctions.
- The USB cap of your CONTOUR NEXT LINK meter is designed to protect the USB plug. Should you lose the cap, contact Customer Service for a replacement. Please see back cover for contact information.

## Cleaning Your Meter

- The exterior of the CONTOUR NEXT LINK meter can be cleaned using a moist (not wet) lint-free tissue with a mild detergent or disinfectant solution, such as 1 part bleach mixed with 9 parts water. Wipe dry with lint-free tissue after cleaning. Do not insert anything into or attempt to clean inside the USB connection or test strip port.

**CAUTION:** Do not allow cleaning solution to run in or around the buttons, USB cap or strip port. Doing so may cause a malfunction.



## Supplies

When calling for supplies make sure you include the name of the replacement part or accessory item.

### Replacement Parts Items

- CONTOUR NEXT LINK user guide
- CONTOUR NEXT LINK quick reference guide
- USB extension cable
- USB cap
- Wall charger
- CONTOUR®NEXT control solution
- Lancing device

Check the website **www.diabetes.ascensia.com** for any meter updates or GLUCOFACTS®DELUXE updates. To order parts, contact Customer Service. Please see back cover for contact information.

## References

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## Warranty

**Manufacturer's Warranty:** Ascensia Diabetes Care warrants to the original purchaser that this instrument will be free from defects in materials and workmanship for 5 years from the date of original purchase (except as noted below). During the stated 5-year period, Ascensia Diabetes Care shall, at no charge, replace a unit found to be defective with an equivalent or current version of the owner's model.

**Limitations of Warranty:** This warranty is subject to the following exceptions and limitations:

1. A 90-day warranty only will be extended for consumable parts and/or accessories.
2. This warranty is limited to replacement due to defects in parts or workmanship. Ascensia Diabetes Care shall not be required to replace any units that malfunction or are damaged due to abuse, accidents, alteration, misuse, neglect, maintenance by someone other than Ascensia Diabetes Care, or failure to operate the instrument in accordance with instructions. Further, Ascensia Diabetes Care assumes no liability for malfunction of or damage to Ascensia Diabetes Care instruments caused by the use of test strips or control solution other than the appropriate products recommended by Ascensia Diabetes Care (i.e., CONTOUR®NEXT test strips and CONTOUR®NEXT control solutions).
3. Ascensia Diabetes Care reserves the right to make changes in the design of this instrument without obligation to incorporate such changes into previously manufactured instruments.
4. Ascensia Diabetes Care has not validated the performance of the CONTOUR®NEXT LINK blood glucose meter when used with any test strips other than CONTOUR®NEXT test strips, and therefore does not

warrant the performance of the CONTOUR®NEXT LINK meter when used with any test strips other than CONTOUR®NEXT test strips or when the CONTOUR NEXT test strip is altered or modified in any manner.

5. Ascensia Diabetes Care makes no warranty regarding the performance of the CONTOUR NEXT LINK meter or test results when used with any control solution other than CONTOUR®NEXT control solution.
6. Ascensia Diabetes Care makes no warranty regarding the performance of the CONTOUR NEXT LINK meter or test results when used with any software other than the CONTOUR™Diabetes app (where supported) or the GLUCOFACS®DELUXE diabetes management software (where supported) from Ascensia Diabetes Care.

ASCENSIA DIABETES CARE MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY FOR THIS PRODUCT. THE OPTION OF REPLACEMENT, DESCRIBED ABOVE, IS THE ONLY OBLIGATION OF ASCENSIA DIABETES CARE UNDER THIS WARRANTY.

IN NO EVENT SHALL ASCENSIA DIABETES CARE BE LIABLE FOR INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF ASCENSIA DIABETES CARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from State to State.

**For warranty service:** Purchaser must contact Ascensia Diabetes Care Customer Service for assistance and/or instructions for obtaining service of this instrument. See back cover for contact information.



# Index

Accuracy .....	60	Endcap .....	3
Alerts .....	10	Clear Endcap (for AST).....	3
Battery .....	55	Grey Endcap (for Fingertip Testing).....	3
High/Low Blood Sugar .....	25	Error Displays .....	55
Alternative Site Testing (AST) .....	19	Fingertip Testing.....	15
Apply More Blood.....	16	High and Low Alerts .....	10
AutoLog/Meal Marking.....	9	Setting .....	10
Turning Off .....	48	When Testing.....	25
Turning On .....	47	High (or Low) Blood Sugar .....	25
Averages/Trends.....	36	Alerts .....	10
Back: Go Back to a		Symptoms .....	59
Previous Screen .....	4	Initial Setup.....	5
Battery .....	55	Lancing.....	13
Charge.....	56	Language.....	6
Rapid Charge .....	57	Light (on Test Strip Port).....	4
Removal.....	58	Link Meter and Pump.....	38
Status Display .....	55	Logbook/Memory .....	35
Blood Drop .....	15	Adding Entries (Notes).....	34
Obtaining for Alternative		Reviewing .....	35
Site Testing.....	20	Low (and High)	
Obtaining for Fingertip Testing .....	15	Blood Sugar Results .....	25
Buttons.....	4	Low (or High) Blood Sugar	
OK .....	4	Symptoms.....	59
Scrolling/Selection.....	4	Main Menu.....	35
Top Menu.....	4	Logbook .....	35
Caring for Your Meter .....	67	Setup .....	38
Changing Alerts.....	10	Trends.....	36
Changing Targets .....	49	Meal Markers/AutoLog.....	9
Cleaning Your Meter .....	67	Medtronic Pump.....	3
Connecting Meter and Pump .....	38	Memory/Logbook.....	35
CONTOUR®NEXT		Menu Button.....	4
Control Solution.....	27	Meter .....	4
Test Strip .....	2	Disposal.....	58
Control Solution Testing .....	27	Overview.....	4
Customer Service.....	53	Meter Care.....	67
Contact Number .....	Back cover	mg/dL (milligrams per decilitre) .....	v
Date .....	45	mmol/L (millimoles per litre).....	v
Format (Day.Month.Year) or		Notes .....	34
(Month/Day/Year) .....	45	Adding to a Test Result .....	34
Setting .....	45	Removing a Note.....	34
Disconnecting Meter and Pump.....	42		

On/Off: Meter .....	4	Test Strips .....	2
Precision.....	61	Testing .....	12
Pump Connection .....	38	Alternative Site Testing (AST) .....	19
Pump Options .....	38	Fingertip Testing .....	15
Reminders .....	31	Testing in the Dark .....	26
Setting After Testing .....	31	Testing with AutoLog Off .....	17
Setting From Setup Menu .....	43	Testing with AutoLog On .....	18
Turn Off .....	44	Testing Your Blood Sugar .....	12
Sample Volume .....	66	Time.....	46
Scrolling/Selection Buttons .....	4	Format (12 hour or 24 hour clock)....	46
Send Options .....	8	Setting .....	46
Change Setting.....	8	Trends (Averages/Summaries).....	36
Sending Test Results to Pump .....	30	Viewing with AutoLog Off .....	36
Service Information .....	64	Viewing with AutoLog On .....	37
Setup Menu .....	38	Trends Range: Setting .....	51
AutoLog.....	47	Turning Meter Off/On.....	4
Customer Service.....	53	Underfilled Strip.....	16
Date .....	45	USB Extension Cable.....	vi
High and Low Alerts .....	52	Warranty .....	70
Language.....	53	Website.....	Back cover
Pump Options .....	38	Wireless, Turning On/Off .....	42
Reminders .....	43		
Sound .....	47		
Targets .....	49		
Time.....	46		
Trends Range .....	51		
Sound On/Off .....	47		
Strip Port Light .....	4		
Strips .....	2		
Underfilled Strip.....	16		
Supplies/Replacement Parts.....	68		
Symbols Used .....	65		
Symptoms of High/Low			
Blood Sugar .....	59		
System Specifications .....	66		
Target Ranges.....	11		
With AutoLog Off.....	49		
With AutoLog On .....	50		
Technical Information .....	60		
Test Strip Port Light.....	4		





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