



# CONTOUR<sup>TM</sup> TS

Blood Glucose Monitoring System

## User Guide



For Use With  
CONTOUR<sup>TM</sup> TS Blood Glucose Meter  
and CONTOUR<sup>TM</sup> TS Test Strips

## Welcome to Accuracy and Convenience



The *CONTOUR TS* Meter balances science and simplicity for ease and accuracy you can depend on. We're proud to be your partner in helping you manage your diabetes.

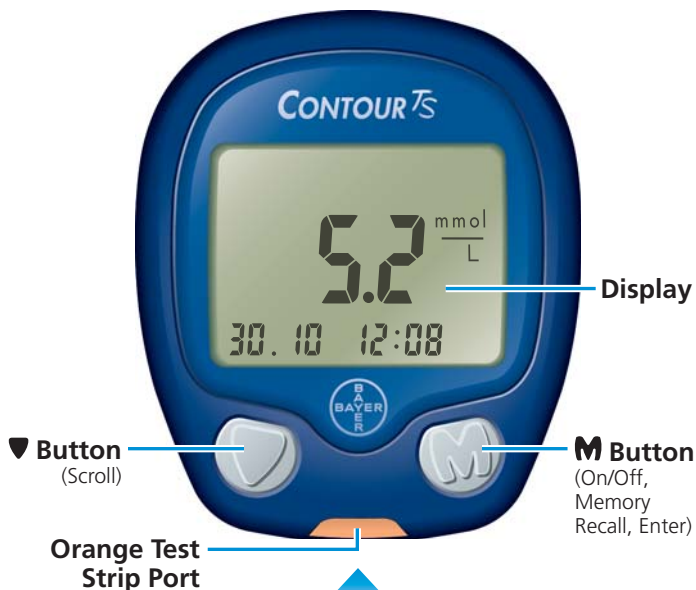


Unlike many meters, the *CONTOUR TS* Meter does not require you to enter a numeric code or put in a coding chip; therefore it eliminates coding steps and inaccurate results due to miscoding.

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## Your CONTOUR TS Meter:



## Your CONTOUR TS Test Strip:


**Sample Tip:** The end of the test strip where the blood is drawn in.

**Gray Electrode End:**

This end (with the gray end facing up) is inserted into the orange test strip port on the meter.

**NOTE:** Your CONTOUR TS Meter **only** works with CONTOUR TS Test Strips!

## CONTOUR TS Meter Display:

A full display, as shown below, indicates that all characters in the display are working properly. You will briefly see this display each time you turn the meter on. You can see the complete display when the meter is off by pressing and holding the  button. Compare your meter to the display shown below.

**While all characters are displayed, it is most important to verify that 8.8.8 is fully displayed. If there is a difference, see Error Codes and Symbols (page 27). This may affect the way you see your results.**



Indicates the meter is ready to test.



Indicates it is too cold or too hot for your meter to test accurately.



Indicates the battery is low and needs to be changed.

8.8.8

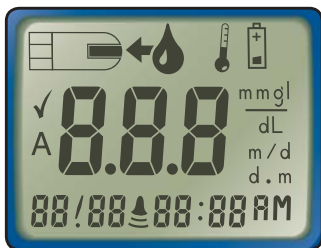
Center area on the display that shows either your test result or any error codes.



Control result marker.

A

14 day average.



mmol/dL

Results are displayed as either mg/dL or mmol/L.

m/d or d.m

Displays the date format.



Beeper on/off indicator.

88/88 88:88

Bottom area on the display showing date and time.

AM or PM will appear if the meter is in 12 hour setup.

## Meter Features

### Your New *CONTOUR TS* Monitoring System is the Perfect Balance of Science and Simplicity

The *CONTOUR™ TS* Blood Glucose Monitoring System from Bayer Diabetes Care is designed to make testing your blood glucose levels easier.

#### Essential Features for Testing



The *CONTOUR TS* System requires No Coding for ease and reliability. This means that the *CONTOUR TS* Test Strips automatically code the meter, so you don't have to. It provides accurate results in just 8 seconds, while only requiring 0.6  $\mu$ L of blood. The alternate site testing capability allows for more options—test on your fingertip, palm or forearm.

#### Designed for Simplicity

The *CONTOUR TS* Meter is easy to learn and use. The two large buttons enable simple navigation, while the large LCD display is easy to read. The orange test strip port makes for easy test strip insertion.

#### Overall Convenience

With its optimal size, the *CONTOUR TS* Meter fits well in the palm of your hand. It is compact and portable. It provides the accuracy you need with the ease of use you want.

# System Information

## Intended Use

CONTOUR TS Test Strips are intended for self-testing by people with diabetes and by healthcare professionals to monitor glucose concentrations in whole blood.

### CAUTION

- For *in vitro* diagnostic use only. External use, do not swallow.
- **Potential Biohazard:** Healthcare professionals using this system on multiple patients should be aware that all products or objects that come in contact with human blood, even after cleaning, should be handled as if capable of transmitting viral diseases.<sup>1</sup>

## Principles of the Procedure

The CONTOUR TS blood glucose test is based on measurement of electrical current caused by the reaction of 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 potassium ferricyanide. 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.

## Limitations

- 1. Preservatives:** Blood may be collected by healthcare professionals into test tubes containing heparin. Do not use other anticoagulants or preservatives.
- 2. Altitude:** Up to 3048 meters does not significantly affect results.
- 3. Lipemic Specimen:** Cholesterol concentrations  $>13.0$  mmol/L or triglyceride concentrations  $>33.9$  mmol/L may produce elevated readings.
- 4. Peritoneal dialysis solutions:** Icodextrin does not interfere with *CONTOUR TS* Test Strips.
- 5. Xylose:** Do not use during or soon after xylose absorption testing. Xylose in the blood will cause an interference.
- 6. Contraindications:** Capillary blood glucose testing may not be clinically appropriate for persons with reduced peripheral blood flow. Shock, severe hypotension, hyperosmolar hyperglycemia and severe dehydration are examples of clinical conditions that may adversely affect the measurement of glucose in peripheral blood.<sup>2</sup>
- 7. Interference:** Reducing substances occurring in the blood naturally (uric acid, bilirubin) or from therapeutic treatments (ascorbic acid, acetaminophen) will not significantly affect results. The limiting concentrations of these compounds are listed in your test strip insert.

## Performance Data Summary

The international standard, ISO 15197, requires that at least 95% of the results from blood glucose meters should be within 20% of laboratory results when equal to or above 4.2 mmol/L and within 0.8 mmol/L when below 4.2 mmol/L. The *CONTOUR TS* System exceeded this goal. A study was conducted on 105 untrained users with diabetes, testing fingertip blood, to see how well the *CONTOUR TS* System compared to laboratory results. The study demonstrated that **97.9%** of the *CONTOUR TS* System results were within the accuracy standard.



## **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; this will also help you decide what to do if your results seem unusual.

Some of the most common symptoms are:<sup>3</sup>

### **High blood sugar (Hyperglycemia):**

- frequent urination
- excessive thirst
- blurred vision
- increased fatigue
- extreme hunger
- irritability

### **Low blood sugar (Hypoglycemia):**

- shakiness
- sweating
- fast heartbeat
- blurred vision
- strange behavior
- confusion
- passing out
- seizure

### **Ketones (Ketoacidosis) from untreated Hyperglycemia:**

- shortness of breath
- nausea and vomiting
- very dry mouth

**If you are experiencing any of these symptoms, test your blood glucose. If your result is displayed as LO or HI, contact your doctor immediately.**

For additional information and symptoms, contact a healthcare professional or refer to the website for the American Diabetes Association: [www.diabetes.org](http://www.diabetes.org)


## Important Things to Know:

**Your CONTOUR TS Blood Glucose Meter is specific for glucose and has been referenced to plasma/serum values. Methods calibrated to plasma/serum can be 9 to 15% higher than the results of whole blood glucose assay methods.**

- **Always keep the test strips in the original bottle. Firmly snap the lid closed immediately after removing a test strip.** The bottle is especially designed to provide a dry environment for the test strips. Extended exposure to room humidity from leaving the bottle open or not storing the test strips in the original bottle will damage your test strips. Do not expose test strips to direct sunlight.
- Avoid excessive “milking” of your finger when forming a drop of blood and test immediately after forming the blood drop.
- **DO NOT drop blood directly on the flat surface of the test strip.** Your test strip is designed to easily draw the blood in through the sample tip.
- **DO NOT press the test strip against your finger.** This may block the sample tip.
- **DO NOT use a test strip that appears damaged or has been used.** Test strips are for single use only.

**IMPORTANT NOTE:** Your meter has been preset to display results in mmol/L (millimoles of glucose per liter). Results in mmol/L will **always** have a decimal point (e.g., **5.3**<sup>mmol/L</sup>); results in mg/dL will **never** have a decimal point (e.g., **96**<sup>mg/dL</sup>). Check your display to ensure that results are being displayed in the expected units; if they are not, contact your authorized Bayer Diabetes Care representative.

## Before You Begin:

1. Have all the materials you will need ready before you begin testing. This includes your *CONTOUR TS* Meter, the *CONTOUR TS* Test Strips, and the Ascensia® *MICROLET*® Lancing Device with Ascensia *MICROLET* Lancets. You may also need *CONTOUR TS* Control Solution to run a quality control check.
2.  Read your user guide and all instructional materials provided in your meter kit before testing.
3. Let the meter and test strips adjust to the temperature of the location where you are testing. Whenever the meter is moved from one location to another, allow 20 minutes for the meter to adjust to the temperature of that new location before performing a blood glucose test. The products have been designed to give accurate results at temperatures between 5°C and 45°C.
4. It is important not to use the test strips or control solution if the expiration date printed on the bottle label and carton has passed or if it has been six months (180 days) since you first opened the bottle. It will help to write the six month **discard date** on the label in the area provided when you first open the test strips or control solution.
5. Wash your hands thoroughly with warm soapy water and dry them well.



### Potential Biohazard

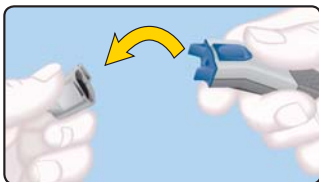
Healthcare professionals or persons using this system on multiple patients should follow the infection control procedure approved by their facility. All products or objects which come in contact with human blood, even after cleaning, should be handled as if capable of transmitting viral diseases.<sup>1</sup>

The following steps (pages 10–14) are shown in the proper order for performing a blood glucose test.

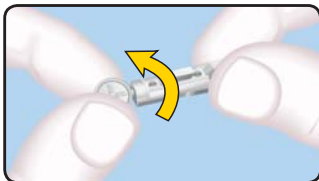
## **Preparing the Lancing Device:**

***Read the Ascensia MICROLET Lancing Device insert for complete instructions. If your lancing device does not look like the one pictured, follow the instructions that came with your device.***

Remove the endcap from the Ascensia MICROLET Lancing Device.



Rotate (do not remove) the lancet protective cap  $\frac{1}{4}$  turn.



Insert the lancet firmly until it comes to a full stop. This will "re-set" the device.



Twist off the lancet protective cap and replace the device endcap.



## Inserting the Test Strip:

Remove a test strip from the bottle and **firmly snap the lid closed**. **Never store test strips outside the bottle!**

**NOTE:** Check the expiration and discard date. Make sure the test strip does not appear torn or damaged.

Hold the test strip with the gray end facing up.

Insert the gray end into the orange test strip port on the meter. *No coding required!*



The meter will turn on. A test strip with a flashing blood drop will appear letting you know the meter is ready to test. Do not apply blood to the test strip until the blood drop symbol flashes.



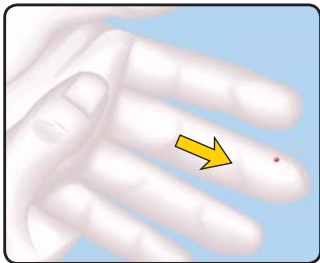
## Getting the Blood Drop:

With the gray endcap on your Ascensia *MICROLET* Lancing Device, select the puncture depth by rotating the dial on the endcap to a smaller drop for shallower puncture or larger drop for deeper puncture. Adjusting the amount of pressure applied to the puncture site will also affect puncture depth.

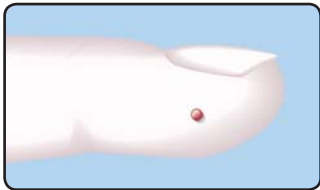
Press the endcap firmly against the puncture site (the side of the fingertip is often preferred) and press the blue release button.



Wait a few seconds. Stroke your hand and finger towards the puncture site to form a drop of blood. Do not squeeze around the puncture site or "milk" your finger excessively.



Test immediately after you have formed a blood drop. (See page 13.) Only 0.6  $\mu\text{L}$  is needed for a test.



**Suggested Actual Drop Size**



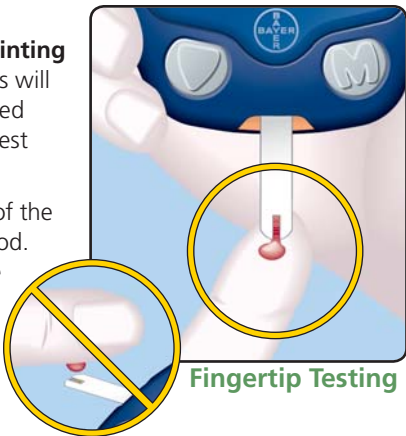
**For Alternative Site Testing** read page 15, and see your Ascensia *MICROLET* Lancing Device instructions.

## Testing Your Blood:

**Hold the meter with the orange test strip port pointing down or toward you.** This will ensure your meter is oriented correctly for reading your test result.

Immediately touch the **tip** of the test strip to the drop of blood. The blood is drawn into the test strip through the tip.

**Do not press the tip against the skin or place the blood on top of the test strip.**

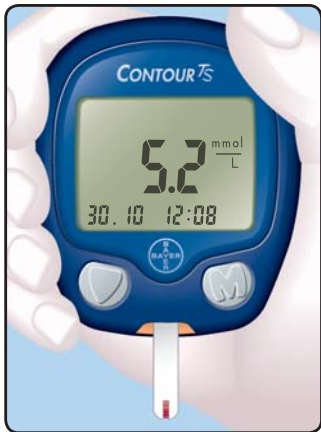


Fingertip Testing

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

After the beep, you will see the meter count down eight seconds until the test is complete and your result is displayed. Make sure the orange test strip port is pointing down or toward you when you read the test result.

Your test result will automatically be stored in the meter memory with the date and time you tested.



**Expected Values:** Blood glucose values will vary depending on food intake, medication dosages, health, stress or exercise. Consult your healthcare professional for the target value that is appropriate for you. Standard medical practice goals for a typical non-pregnant individual with diabetes are:<sup>4</sup>

- Glucose before a meal: 5.0 to 7.2 mmol/L
- Glucose 2 hours after a meal: less than 10.0 mmol/L

**CAUTION**

- *If you see "HI" displayed, your blood glucose level may be above 33.3 mmol/L. If you see "LO" displayed, your blood glucose level may be below 0.6 mmol/L. Repeat test. If you receive a similar result, call your physician or healthcare professional immediately.*
- *Do not change your medication based on CONTOUR TS blood glucose results without the advice of your physician or healthcare professional.*

To turn your meter off, simply remove the test strip.



**Potential Biohazard:**  
Carefully dispose of the used test strip.

Your meter will also turn off after three minutes of inactivity.

Dispose of the used lancet according to instructions for your Ascensia MICROLET Lancing Device.





## Alternative Site Testing

Blood samples for glucose testing may be taken from sites other than your fingertips. Read the instructions with your lancing device.

Alternative site testing using blood from the forearm or palm may give glucose results that significantly differ from fingertip blood. Differences occur when blood glucose levels are changing rapidly, such as after a meal, after insulin, during or after exercise.



Palm



Forearm

### We recommend the following:

1. Consult your healthcare professional to determine if alternative site testing is right for you.
2. Use a fingertip sample for testing blood glucose whenever you will be participating in risky activities, such as before driving a car or operating machinery. Fingertip testing should also be used during illness, times of stress or when test results do not agree with the way you feel.
3. Alternative site testing is not recommended if you have hypoglycemic unawareness (you do not recognize the symptoms of or cannot tell when you have low blood glucose). Please consult with your healthcare professional if you have low blood glucose levels.
4. Select a soft, fleshy area of skin that is free from hair, moles and visible veins for alternative site testing. Wash the site with soap and warm water, then rinse and dry thoroughly.
5. Use alternative site testing for blood glucose tests **only** when it is **more than 2 hours after:**

- a meal
- taking medication
- exercise

## Viewing Stored Test Results:

With the meter off, press and release **M** on the meter to view stored test results.

The **14 day average** will appear on the display with the average of test results taken over the last 14 days.

Press **▼** to review previous test results.

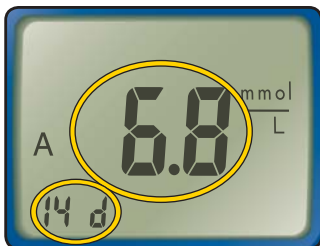
**Previous test results:** Test results will be shown starting with the most recent. Each result will show the date and time the test was taken.

You can press **▼** to scroll through the results. You can press and release the button to view stored results one at a time or you can hold it to move through results continuously.

When **End** appears on the display, you have viewed all of the results in the memory.

The meter will hold 250 test results in the memory. When the memory is full, the oldest test result will be removed as a new test is completed and saved to the memory.

Press **M** to turn the meter off, or it will automatically turn off after three minutes.



## Testing with a Control Solution:

Use **CONTOUR TS Control Solutions** to practice using the system or to run a quality control test to make sure the meter and the test strips are working properly. Low, Normal and High Control Solutions are available. Always use **CONTOUR TS Control Solutions**, as other brands could present incorrect results.



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

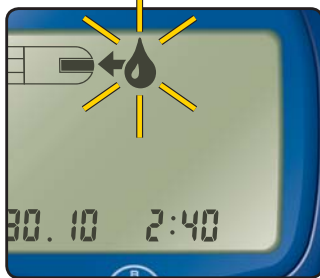
**NOTE:** Check the expiration date and discard date of the control solution and test strips. Make sure the test strip does not appear torn or damaged.

Hold the test strip with the gray end facing up.

Insert the gray end into the orange test strip port on the meter.



The meter will turn on. A test strip with a flashing blood drop will appear letting you know the meter is ready to test. Do not apply control solution to the test strip until the blood drop symbol flashes.



Gently rock the control bottle before opening to ensure it is mixed well.

Squeeze a small drop of control solution on a clean non-absorbent surface, such as a piece of wax paper.

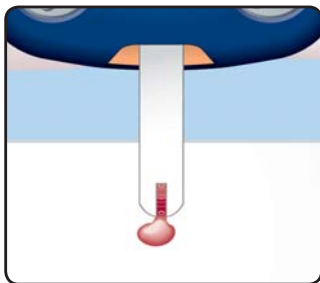
**Do not apply control solution to the test strip directly from the bottle.**

Replace the cap on the control solution bottle.



Immediately touch the **tip** of the test strip to the drop of control solution. The solution is pulled into the test strip through the tip.

Hold it in the drop until the meter beeps.



After the beep, you will see the meter count down eight seconds until the test is complete and your control test result is displayed.

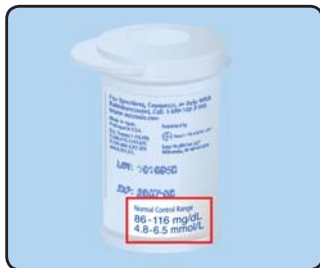


The meter will automatically recognize and mark (✓) the control result for you.

**NOTE:** The ✓ does not indicate the control test result is within the specified range.

Compare your control test result with the Normal Control Range printed on the test strip bottle label or on the bottom of the test strip box.

The Low and High control range values can be found on the bottom of the test strip box.



**If your control test result falls out of the specified range, follow the steps in the Error Codes and Symbols chart on page 27.**

To turn your meter off, simply remove the test strip. The result will automatically be marked ✓ and stored in the meter memory. Control results will not be included in your 14 day blood glucose average.



## Setting the Date, Time and Sound:

You can set your meter to display different options.

To get into setup mode, **press and hold M for three seconds**. The complete display will briefly appear, then go to a display with the time.

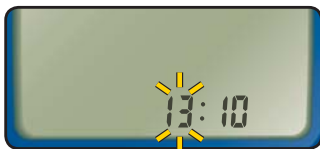
**NOTE:** You may turn the meter off at any time during setup by pressing and holding **M** until the meter turns off.



### Setting the Time:

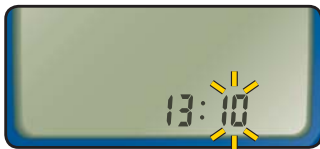
The number in the **hour** position will be flashing. Press ▼ until you reach the correct hour.

Press **M** to set.



The number in the **minute** position will now flash. Press ▼ until you reach the correct minutes.

Press **M** to set.

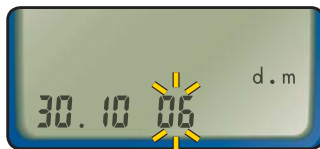


## Setting the Date:

The date will now appear on the display.

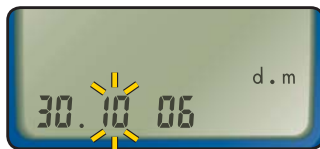
The **year** will be flashing. Press ▼ to reach the current year.

Press **M** to set.



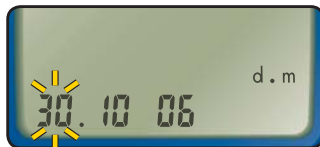
The **month** will now flash. Press ▼ to reach the current month.

Press **M** to set.



The **day** will now flash. Press ▼ to set the day.



Press **M** to set.



## Setting the Sound:

The flashing bell symbol will now appear on the display.

This option controls whether you want to hear the “beeps” during testing.

Press **▼** to choose whether to turn the beeper on  or off .

Press **M** to set.



## Setting the 12 or 24 Hour Clock:

**24H** will now flash on the display. Press **▼** to choose the 12H or 24H setting.

This option lets you set the meter to display time as a 12 hour setting with AM and PM or as a 24 hour display (military time).

Press **M** to set.



OR





## Setting the Month and Day Format:

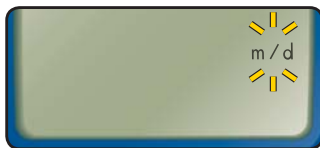
**d.m** will now flash on the display.

Press **▼** to choose how you want the date to appear, as month/day (m/d) or day.month (d.m).

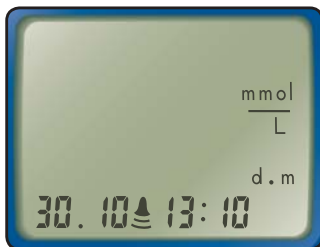
Press **M** to set.







OR

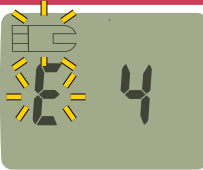




When you have reached the end of setup, your meter will show you all of the current settings and turn off automatically.





## Error Codes and Symbols:


WHAT YOU SEE	WHAT IT MEANS	WHAT YOU SHOULD DO
	Low Battery.	Replace the battery as soon as possible (see page 28).
	Temperature out-of-range.	Move to an area that is within the operating range for the meter: 5°C–45°C. Let the meter and test strips adjust to this temperature for twenty minutes before testing.
	<p>The test strip has not filled enough to give an accurate result.</p> <ul style="list-style-type: none"> <li>You may have applied blood more than once on the same strip.</li> <li>Blocked sample tip.</li> <li>Blood drop too small.</li> </ul>	<p>Remove the test strip and repeat the test using a new test strip.</p> <ul style="list-style-type: none"> <li>Do not attempt to apply blood more than once per strip.</li> <li>Do not push strip into skin while filling strip.</li> <li>See suggested drop size on page 12.</li> </ul>
	The meter is sensing a used test strip.	Remove the test strip and retest using a new test strip. Wait until you see the flashing blood drop in the display before adding the blood sample.

WHAT YOU SEE	WHAT IT MEANS	WHAT YOU SHOULD DO
	Test strip not inserted correctly.	Remove the test strip and insert it properly (see page 11).
<b>E5      E10</b> <b>E6      E12</b> <b>E8      E13</b> <b>E9</b>	Potential software or hardware issue.	Remove the test strip and retest using a new test strip. If you continue to have problems, contact Customer Service.
	Wrong test strip.	Remove the test strip and retest using only a <i>CONTOUR TS</i> Test Strip.
	<ul style="list-style-type: none"> <li>• Strip disturbed during countdown.</li> <li>• Strip degraded due to long exposure out of bottle.</li> <li>• Used test strip inserted.</li> </ul>	Remove the test strip and retest using a new test strip. Carefully follow testing instructions in your user guide.  If you continue to have problems, contact Customer Service.


## If you do not resolve the problem, contact your

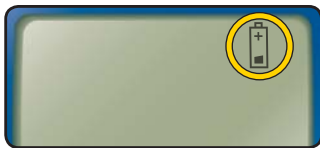
WHAT YOU SEE	WHAT IT MEANS	WHAT YOU SHOULD DO
 <p>The display shows "HI" with a small "mmol/L" unit indicator to the right. Below the main display, it shows "30.10" and "12:08".</p>	<p>Test result is above 33.3 mmol/L.</p>	<ul style="list-style-type: none"> <li>Wash your hands and the test site. Repeat the test using a new test strip.</li> <li>If your result is still "HI," contact your physician or healthcare professional immediately.</li> </ul>
<p><b>⚠ CAUTION: Glucose levels above 13.9 mmol/L may indicate a potentially serious medical condition.</b></p>		
 <p>The display shows "LO" with a small "mmol/L" unit indicator to the right. Below the main display, it shows "30.10" and "12:08".</p>	<p>Test result is below 0.6 mmol/L.</p>	<ul style="list-style-type: none"> <li>Repeat the test using a new test strip.</li> <li>If your result is still "LO," contact your physician or healthcare professional immediately.</li> </ul>
<p><b>⚠ CAUTION: Glucose levels below 2.8 mmol/L may indicate a potentially serious medical condition.</b></p>		
<p><b>The display goes blank after the meter is turned on.</b></p>	<ul style="list-style-type: none"> <li>Meter will turn off after 3 minutes of inactivity. This feature prolongs your battery life.</li> <li>The battery may need to be replaced.</li> </ul>	<ul style="list-style-type: none"> <li>Try turning the meter on again by pressing <b>M</b>. If display goes blank before 3 minutes, replace battery.</li> </ul> <p>See page 28.</p>
<p><b>Results are not displayed in expected units of measure (mmol/L or mg/dL).</b></p>	<p><b>This may affect the way you see your results.</b></p>	<p>Contact Customer Service.</p>

## Local Bayer Diabetes Care Customer Service.

WHAT YOU SEE	WHAT IT MEANS	WHAT YOU SHOULD DO
<b>Some display segments do not appear when the meter initially turns on.</b>	Possible meter electronics failure.	Press and hold  while the meter is off. Compare meter display with the picture on page 3. If the display is still not correct, call Customer Service.
<b>Control test result is out-of-range (too high or too low).</b>	<ul style="list-style-type: none"> <li>• Test strip is deteriorated due to exposure to humidity or heat.</li> <li>• Control solution is past expiration date or is past the open use date.</li> <li>• Test strip is past expiration date or is past the open use date.</li> <li>• Incorrect control solution was used.</li> <li>• Control solution is not at room temperature.</li> <li>• Control solution is not mixed well.</li> </ul>	<ul style="list-style-type: none"> <li>• Run another control test with a new test strip.</li> <li>• Check all expiration dates. Do not use expired testing materials.</li> <li>• Make sure you are using <i>CONTOUR TS</i> control solution.</li> <li>• Wait 20 minutes until control solution is at room temperature. Try again.</li> <li>• Gently rock the control bottle to ensure the control solution is mixed well.</li> <li>• If result is still out-of-range, retest with a new test strip and control solution.</li> <li>• If result is still out-of-range, call Customer Service.</li> </ul>

## Replacing the Battery:

The battery should be replaced when the meter continually displays  or does not turn on. Your *CONTOUR TS* Meter uses one 3-volt lithium battery (DL2032 or CR2032).



Press firmly on the battery cover and slide in the direction of the arrow.




**NOTE:** After replacing the battery you will need to reset the time (see page 20). The date and other formatting choices do not need to be reset. Test results stored in the memory are not erased when the battery is changed.

To remove the old battery, place your finger under the top of the battery and pull upward. Grasp the battery and remove.

Place the new battery into the battery compartment with the "+" side up (facing you).


Slide the battery cover back into place, lining up with the open slots, and close firmly.



 **WARNING:** Keep batteries away from children. Lithium batteries are poisonous. If swallowed, immediately contact your physician or poison control center. Discard batteries according to your local environmental regulations.

## ***Caring for the System:***

- Store meter in the carrying case provided whenever possible.
- Wash hands and dry them thoroughly before handling to keep the meter and test strips free of oils and other contaminants.
- Handle the meter carefully to avoid damaging the electronics or causing other malfunctions.
- Avoid exposing meter and test strip to excessive humidity, heat, cold, dust, or dirt.
- The exterior of the 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.

 **CAUTION:** Do not allow any solution to run down or in around the buttons. Doing so may cause a malfunction.

## Transferring Results to a Computer:

You can transfer test results from the *CONTOUR TS* Meter to a computer, where they can be summarized in a report with graphs and tables. To make use of this feature, you need Bayer Diabetes Care diabetes management software and a Bayer Data Cable.



**⚠ CAUTION:** *The CONTOUR TS Meter has not been tested or certified by Bayer Diabetes Care for use with any software other than the Bayer Diabetes Care diabetes management software. Bayer Diabetes Care is not responsible for any erroneous results from the use of other software.*

For more information, call your local Customer Service Department, or visit our Website at [www.bayerdiabetes.com](http://www.bayerdiabetes.com).



## ***Specifications:***

**Test Sample:** Whole blood

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

**Sample Volume:** 0.6  $\mu$ L

**Measuring Range:** 0.6–33.3 mmol/L

**Measuring Time:** 8 seconds

**Memory Feature:** Stores most recent 250 test results

**Battery Type:** One 3-volt (DL2032 or CR2032)  
lithium battery

**Battery Life:** Approximately 1000 Tests (1 yr. average use)

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

**Humidity:** 10–93% RH

**Dimensions:** 71 mm (H) x 60 mm (W) x 19 mm (T)

**Weight:** 56.7 grams

**Alarm:** “Beeps” whenever a test strip is inserted into the meter, when the test strip is filled with blood or control solution, and when a test result appears in the display. Two beeps will sound for an error. To turn off the “beeps,” see **Setting the Sound** on page 22.

## Symbols Used:

The following symbols are used throughout the product labeling for the *CONTOUR TS* Blood Glucose Monitoring System (meter packaging and labeling, test strip packaging and labeling and control solution packaging and labeling).



Expiry date (use by last day of month)



Batch code



Temperature limitations



Consult instructions for use



*In vitro* diagnostic device



Manufactured by



Caution, consult accompanying documents



Product code number



Control Range Low



Control Range Normal



Control Range High

## Service Information:

If you have a problem and none of the problem solving steps in the user guide help, call your local Bayer Diabetes Care Customer Service. We have trained specialists to help you.

### Important:

- ☐ Speak to a Bayer Diabetes Care Representative before returning your meter for any reason. He/she will give you the information needed to get your problem handled correctly and efficiently.
- ☐ Have your *CONTOUR TS* Blood Glucose Meter and *CONTOUR TS* Test Strips available when you phone. It would also be helpful to have a bottle of *CONTOUR TS* Normal Control Solution nearby.
- ☐ Fill out the following check list before calling!

### Check List

1. The Meter serial number (**A**) and model number (**B**) (found on the back of the meter) are:  
\_\_\_\_\_
2. The date and time the problem occurred was:  
\_\_\_\_\_
3. I have read the user guide and followed the testing steps:  
\_\_\_\_\_
4. I am using *CONTOUR TS* Control Solution and *CONTOUR TS* Test Strips that have not expired or passed their open use life dates: \_\_\_\_\_
5. I do not need to replace the battery: \_\_\_\_\_



## Warranty:

**Manufacturer's Warranty:** Bayer 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, Bayer 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. Bayer Diabetes Care shall not be required to replace any units which malfunction or are damaged due to abuse, accidents, alteration, misuse, neglect, maintenance by someone other than Bayer Diabetes Care, or failure to operate the instrument in accordance with instructions. Further, Bayer Diabetes Care assumes no liability for malfunction or damage to Bayer Diabetes Care instruments caused by the use of reagents other than reagents (i.e., *CONTOUR TS* Test Strips) manufactured or recommended by Bayer Diabetes Care.
3. Bayer Diabetes Care reserves the right to make changes in design of this instrument without obligation to incorporate such changes into previously manufactured instruments.
4. Bayer Diabetes Care has no knowledge of the performance of the *CONTOUR TS* Blood Glucose Meter when used with any test strips other than *CONTOUR TS* Test Strips, and therefore makes no warranty of the performance of the *CONTOUR TS* Meter when used with any test strips other than *CONTOUR TS* Test Strips or when the *CONTOUR TS* Test Strip is altered or modified in any manner.

BAYER DIABETES CARE MAKES NO OTHER EXPRESS WARRANTY FOR THIS PRODUCT. THE OPTION OF REPLACEMENT, DESCRIBED ABOVE, IS BAYER DIABETES CARE'S ONLY OBLIGATION UNDER THIS WARRANTY.

IN NO EVENT SHALL BAYER DIABETES CARE BE LIABLE FOR INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF BAYER 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 the Customer Service Department of Bayer Diabetes Care, by calling toll free 0-000-000-0000, for assistance and/or instructions for obtaining service of this instrument.

## REFERENCES

- <sup>1</sup> Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline—Third Edition. Clinical and Laboratory Standards Institute (CLSI), document M29-A3, (ISBN 1-56238-567-4). CLSI, 940 West Valley Road, Suite 1400, Wayne, Pennsylvania 19087-1898, USA 2005.
- <sup>2</sup> Atkin S., Jaker M.A., Chorost M.I., Reddy S.: Fingerstick Glucose Determination in Shock. *Annals of Internal Medicine*, 1991, 114: 1020–24.
- <sup>3</sup> American Diabetes Association, [www.diabetes.org](http://www.diabetes.org)
- <sup>4</sup> American Diabetes Association: Standards of Medical Care in Diabetes (Position Statement). *Diabetes Care* 29 (Suppl. 1):S10, 2006.

## ***Supplies:***

When calling or writing for supplies be sure to include the number with the name of the replacement part or accessory item.

## **REPLACEMENT PARTS**

<b>Part Number*</b>	<b>Item</b>
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40030030	One 3-volt (DL2032 or CR2032) Lithium Battery
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99918069	<i>CONTOUR TS</i> User Guide
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\*Part numbers are subject to change without notice.



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