

ACCU-CHEK

Compact[™]

User's Manual

**Las instrucciones en español
están al revés de este manual.**

BLOOD GLUCOSE MONITORING SYSTEM



Important Tips

- Store full test drum in the original vial with the cap tightly sealed until ready to use. Once removed from the vial, test drum can be used for 90 days or until the use-by date printed on the vial label, whichever comes first. See page 25.
- **Keep the vial until the test drum is empty and removed from the meter.** When performing a quality control test, you will need to refer to the expected values printed on the vial label. The expected values are also located on the control value insert. See page 52.
- The meter is factory set with the beeper turned on. We recommend that you always leave the beeper turned on. See page 32.
- The meter automatically advances a test strip from the test drum when the **① TEST** button is pressed. **Do not puncture the aluminum foil or remove a test strip directly from the test drum.** See page 25.
- Holding the meter in an upright position, gently touch and hold blood drop or control solution to the black notch on the front edge of the test strip. Do not pull your finger away until the **000** is displayed and the beep is heard. See pages 48 and 60.
- Do not reuse a test strip that has been completely released from the meter. See page 51.
- **Wait until the current test drum loaded in the meter is empty before opening the test drum compartment.** See page 25.

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Welcome

Thank you for selecting the Accu-Chek Compact™ meter. The key benefits of this meter over other blood glucose meters are:

1. No more individual strip handling:

- Test strips are now loaded in a test drum, with each test drum containing 17 test strips.
- When the test drum is inserted, the meter automatically moves the test drum to the correct position and reads the code on the test drum.

2. Automatic strip delivery and ejection:

- Simply press the **TEST** button and a test strip advances from the test drum.
- Gently touch the front edge of the test strip to the drop of blood on your fingertip. The strip will draw up the blood automatically.
- Once a test is done and you have received your blood sugar result, the strip is ejected easily.

3. Automatic coding:

- The meter codes itself by reading the barcode on the label of the test drum when the test drum is inserted.

The Accu-Chek Compact™ meter automatically stores blood glucose test results. It can store up to 100 blood glucose values with time and date. Results can be transferred to a computer if you wish.

It's as easy as that - no other steps are required! With the Accu-Chek Compact™ meter, you have all you need to monitor your blood sugar wherever you are, whatever you are doing - quickly and simply.

Before you begin testing, please read this manual thoroughly. It provides all the information you need to use the Accu-Chek Compact™ meter. Remember to return the enclosed warranty card. This ensures that you receive any updates on your Accu-Chek Compact™ meter.

Where to Find Help

Accu-Chek Customer Care™ is available to answer your questions 24 hours a day. We offer assistance in Spanish and many other languages. Call **1-800-858-8072**.



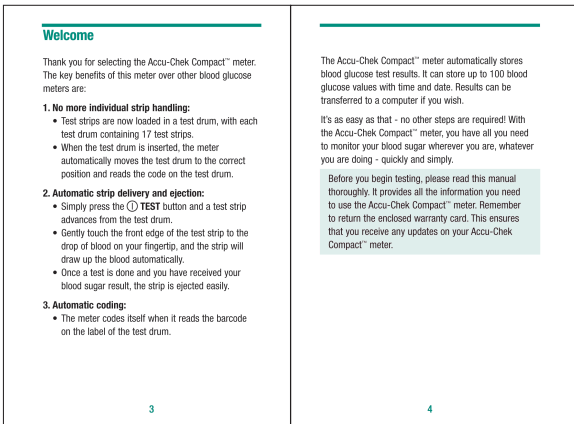
About This Manual

This manual is set up into the following sections:

Section	Title
1	Getting Started
2	Control Testing
3	Blood Sugar Testing
4	Other Information

Content	Page
Learn the system's parts and features, install batteries, install test drum, and set beeper/time/date	13
Run control tests and understand results	42
Run blood sugar test and understand results	54
Reference memory results, caring for your meter, transfer data, and troubleshooting guide	71


- Some pages in this manual have a single column that may contain text, and/or pictures:




(example page)

- Any text that appears in the light teal shaded box with any of these symbols is important information that should be read carefully:


Warning!

 This symbol warns of a situation that may pose a risk to your health (e.g., you may calculate the wrong insulin dose).

Caution!

 This symbol indicates that your meter is at risk of being damaged (e.g. through improper cleaning), or that there may be a problem during testing.

Important!

 This symbol highlights important information that will help you get the most out of your meter.

- Other pages in this manual have three columns:

①

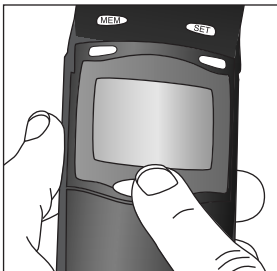
This column has pictures or introductory information about the section.

②

This column tells you what action to perform.



1. Press the ① TEST button.



③

This column shows what the meter displays AFTER the action is completed and/or may give details about the action.




On the display you will see “0n”, followed by the display segment test and then the date line.

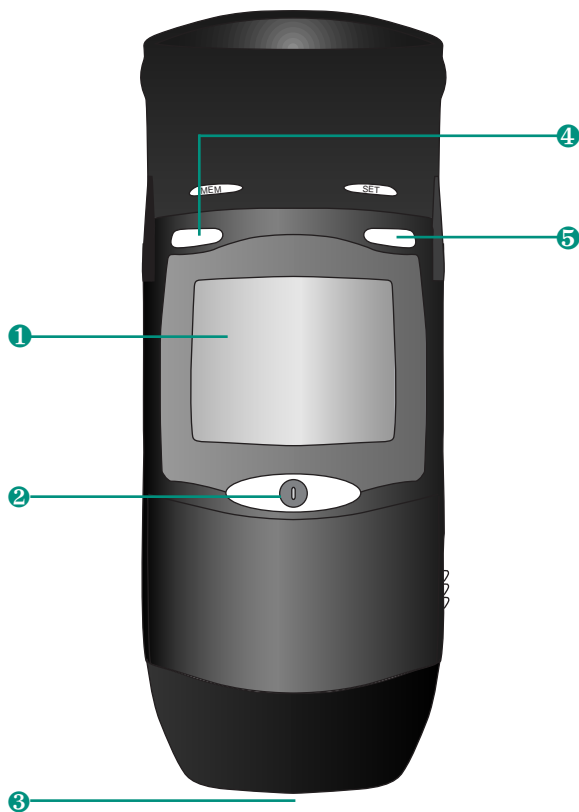
Getting Started

Follow these four important steps before using the meter for the first time:

- 1. Learn the system parts and features**
- 2. Install batteries**
- 3. Install test drum**
- 4. Run controls**

 The results that appear on the meter display throughout this manual are for illustration purposes only. You may expect to see different results on your own Accu-Chek Compact™ meter.

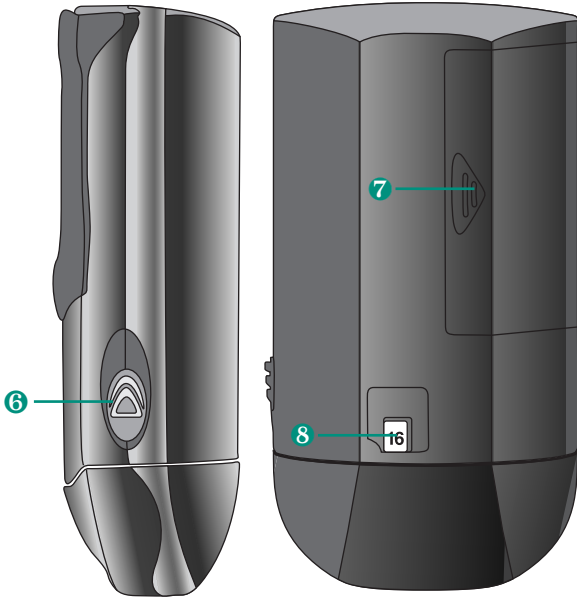
About Your Accu-Chek Compact™ System



About Your Meter

Front of Meter

- ① **Display** – Shows blood sugar results, messages, and results stored in memory.
- ② ① **TEST Button** – Press this button to perform a test, to eject a test strip at the end of a test, or to turn the meter off. At the completion of a test, pressing this button will eject the strip.
- ③ **Test Strip Slot** – Test strip sticks out of the meter here.
- ④ **MEM Button** – Press this button to review values in memory.
- ⑤ **SET Button** – Press this button to set the Time/Date/Beeper.



Right Side of Meter

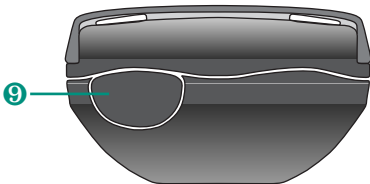
- ⑥ **Release Button** – Slide this button toward the display window to open the test drum compartment.

Back of Meter

- ⑦ **Battery Cover** – Slide cover off to replace batteries.
- ⑧ **View Window** – Displays the number of strips remaining.

Top Side of Meter

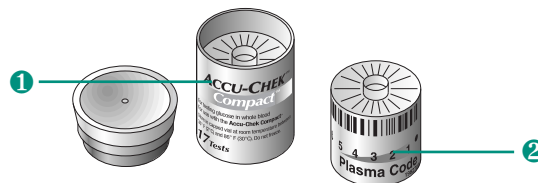
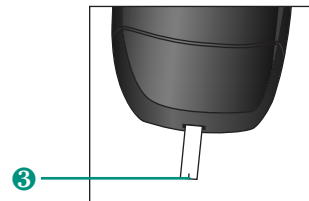
- ⑨ **Infrared (IR) Interface Window** – Used to transfer data from the meter to a computer.



About the Test Drum

The Accu-Chek Compact™ meter does not use individual test strips. The Accu-Chek Compact™ test strips are contained in a test drum. Each test drum holds 17 test strips. Each test drum has a barcode printed along its label. When you insert the test drum, your meter reads this barcode (the meter will not display a code number). Therefore, you do not need to code your meter as the meter codes itself automatically when it reads the barcode on the test drum. A test strip advances automatically from the test drum when the ① **TEST** button is pressed.


- ① **Drum vial** – Label shows acceptable ranges for glucose control solutions.
- ② **Test Drum** – Barcode on label is read by the meter so coding is not necessary.
- ③ **Test strip** – Touch drop of blood or control solution here at the black notch on the front end of the test strip.





Changing the Batteries


Your meter is shipped with two 1.5 volt (AAA) alkaline batteries that need to be installed before testing. Battery life will vary depending on usage, so always keep spares on hand.

The meter saves battery power by automatically turning off after five minutes of nonuse. When a blood sugar test is finished, the meter turns off automatically after 60 seconds.

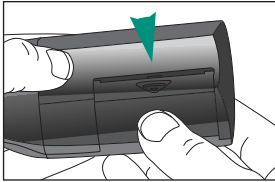
When battery power is low, the battery symbol  will appear. This indicates that there is enough power to finish testing with the current test drum loaded in the meter. When this test drum is empty, change the batteries and the test drum at the same time.

 When you replace the batteries, any blood sugar results you have in memory will be retained (together with additional test information such as test date and display messages).

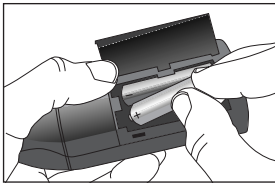
 Time and date will need to be reset when batteries are replaced.

 When replacing batteries, always replace both at the same time and make sure both batteries are the same brand.

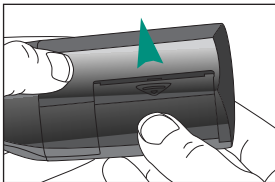
Changing the Batteries



1. If the meter is on, press the **TEST** button to turn it off. With the meter turned off, slide the battery cover to unlock and then open the battery compartment on the back of the meter.



2. Remove the old batteries, if applicable. Insert two new 1.5 volt AAA batteries.




3. Slide the battery cover back in place until it snaps.



The battery cover is on a hinge.


Be sure to insert the batteries so that the + and – ends match the marks in the battery compartment.


After you replace the batteries, you need to reset the time and date.

 We recommend you wait until the current test drum is empty before replacing the batteries. Otherwise, it may take the meter a long time to advance to the next test strip, and the use-by date warning may also be incorrect (see page 25).

Installing the Test Drum

General Information

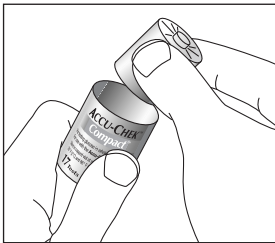
 Handle the test drums with care! **Once you remove a test drum from its vial, you have 90 days to use up all the test strips.** Do not open the test drum compartment until all of the strips have been used. Whenever the test drum compartment is opened and closed, or when the batteries are replaced, the meter thinks a new test drum has been inserted and resets the 90-day countdown. The 90-day use-by period no longer has any significance (see page 100).

 If a partly used test drum is removed from the meter and reinserted, the message “CTRL” flashes in the display, indicating that a control test should be performed. Perform a control test (see ***Running a Control Test***, on page 44) to ensure that the strips are still usable. The display indicating the 90-day use-by period (flashing test drum symbol and date) is still invalid, however. If you use an expired test drum, you may obtain incorrect blood sugar results.

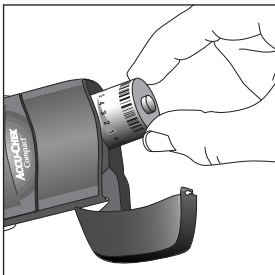
Installing the Test Drum



1. If the meter is on, press the **TEST** button to turn it off. With the meter turned off, slide the release button toward the display to open the test drum compartment.



2. Remove a new test drum from the vial.



3. Insert the new test drum by sliding it onto the plastic post located inside the test drum compartment.



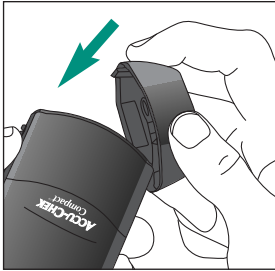
Wait for the motor to stop before you open the meter.



Keep the vial until the test drum is empty and removed from the meter. When performing a quality control test, you will need to refer to the expected values printed on the vial label.

The test drum can only be inserted in one direction.


Installing the Test Drum



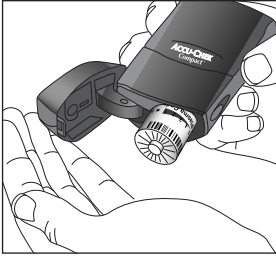
4. Close the test drum compartment in the direction of the arrow.



The meter automatically moves the test drum to the correct position and reads the code on the test drum. A **dot** appears in the view window on the back of the meter.

 When you perform a blood sugar test, the meter counts the number of test strips that have been used and displays the number of strips remaining. When all the strips have been used, the **dot** reappears in the view window, and “**End**” and the test drum symbol flash on the display, indicating that the test drum is empty.

Removing the Test Drum



1. Slide the release button toward the display window to open the test drum compartment. Hold the meter upright. The empty test drum drops out.



Setting the Beeper, Year, Time, and Date

General Information

The Accu-Chek Compact™ meter allows you to set the beeper, year, time, and date.

Beeper


The Accu-Chek Compact™ meter is factory set with the beeper turned on. We recommend that you always leave the beeper turned on. The meter beeps to announce that it is starting to test and to confirm that the test strip has received a sufficient amount of blood or control solution for the test. It also beeps when it displays a message on the display screen.

Year

The Accu-Chek Compact™ meter allows you to set the year. The year is not displayed during testing or review of blood sugar results. It is still important, however, because February 29 in a leap year will only be recognized when the year is properly set. The current year setting is also needed to clearly identify your blood sugar results if you transfer them from your meter's memory to a computer.

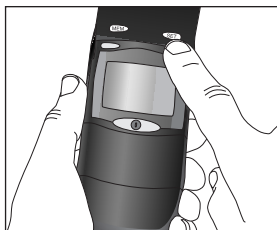
Time and Date

If you have a new meter or you have just replaced the batteries, the date will be reset to 01.01.2000, and the time to 00:00 hours. Setting the time and date is an optional feature. If you do not set the time and date, your results will not be affected. However, prior to testing and each time you replace the batteries, the time and date should be reset if you plan to review your memory to check when a test was done or if you plan to download the results into a software program.

 If you do not set the date and time, these fields will be filled with zeroes during testing. Your blood sugar results saved in memory will be numbered consecutively. However, only blood sugar results that are saved with the date and time will be included in the statistical display (average, minimum, and maximum values). See **Memory** on page 76.

You may choose between the 12-hour format (0-12 o'clock with a.m. or p.m.) and the military 24-hour format (0-24). When the 12-hour format is selected, the date is displayed with the month first, followed by the day. When the 24-hour format is selected, the date is displayed with the day first, followed by the month.

Setting the Beeper, Year, Time, and Date



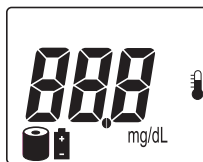
1. If the meter is on, press the **TEST** button to turn it off. With the meter turned off, press the **SET** button.



2. Press the **MEM** button to turn the beeper on or off.

3. Press the **SET** button again.

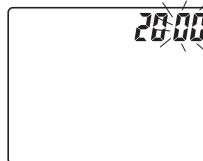
4. Press the **MEM** button to change the year.



After the **SET** button is pressed, the meter turns on without advancing a test strip from the test drum.



The meter is factory set with the beeper turned on. We recommend that you always leave the beeper turned on.



The last two numbers of the year field flash.

The meter scrolls upwards through the year values. If you hold the **MEM** button down, the meter fast-scrolls to 2032 and begins again at 2000.



5. Press the **SET** button until **12h** appears.

6. Press **MEM** to change between the 12-hour and 24-hour time format.

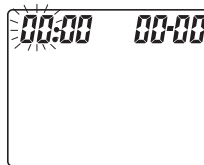
7. Press the **SET** button.

8. Press the **MEM** button to select the correct hour.

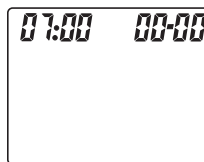
9. Press the **SET** button.



The 24-hour time format is also known as military time.

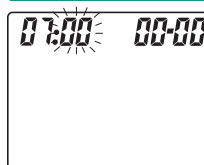


The hour field flashes.



You may hold the **MEM** button down to scroll forward quickly.

The AM or PM will not appear until after the hour has been selected.



The minutes field flashes.

Setting the Beeper, Year, Time, and Date

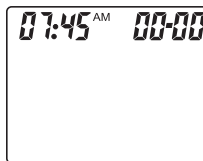


10. Press the **MEM** button to select the correct minutes.

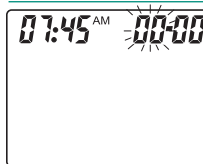
11. Press the **SET** button.

12. Press the **MEM** button to select the correct month.

13. Press the **SET** button.

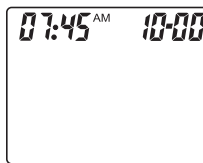


At this point, the AM or PM designation will appear.



The month field flashes.

This occurs if in the 12-hour format; the day field will flash if in the 24-hour format.



The day field flashes.

This occurs if in the 12-hour format; the month field will flash if in the 24-hour format.


Setting the Beeper, Year, Time, and Date



14. Press the **MEM** button to select the correct day.
15. Press the **⌚ TEST** button to turn the meter off.



The current settings are saved automatically.

 You may leave this setting mode at any time by pressing the **⌚ TEST** button to turn the meter off. The settings you have entered will be saved.

Control Testing

What is Control Testing?

Control testing is a way for you to check that your meter and strips are working correctly. The control test is done the same way you would perform a blood sugar test, only you use the control solution instead of blood.

Why should I run a Control Test?

There are a number of factors that can affect the ability of your Accu-Chek Compact meter and strips to give a correct reading. Damage to your system (meter and strips) can occur if handled, stored, or used improperly. If damaged, there is a possibility that the results you get from your system will be incorrect.

The control solution contains a known amount of sugar. If you run a control test and the results fall within the acceptable range, then you can feel assured that your meter and strips are working correctly.

When should I check my Accu-Chek Compact™ System?

- Before using your meter to test blood sugar for the first time.
- When you want to check the way you are performing your blood sugar test.
- When you open a new test drum vial.
- If the meter is dropped or damaged.
- If the meter flashes **CTRL**, indicating that a control test is required.

- After you have cleaned the meter.
- If you leave the cap off the test drum vial.
- If your result does not agree with how you feel.
- If you have repeated a test and the blood sugar result is still lower or higher than expected.
- When you want to check the performance of the meter and test drum together.

Gathering Supplies

Note: The Accu-Chek Compact™ Care Kit is packaged with one level of control solution. When purchased at the store, control solutions are packaged with two levels per box.

To do a control check, you will need the following items:

- Accu-Chek Compact™ Meter
- Accu-Chek Compact™ Control Solution(s)
Control values are located on the label of the test drum vial and on the control value insert found in the box that contains the test drums.
- Accu-Chek Compact™ Test Drum

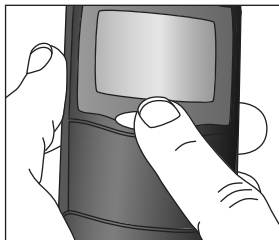
Use only Accu-Chek Compact™ test drums with the Accu-Chek Compact™ meter. It is important that you use the right glucose control solutions for your Accu-Chek Compact™ Test Drum.


 When you open a new bottle of control solution, write the date on the label. Opened bottles of control solution are good for three months or until the expiration date, whichever comes first.


Running a Control Test

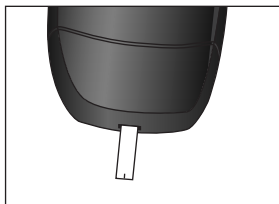


1. Open the display cover and gather your supplies.

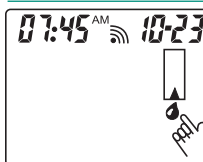
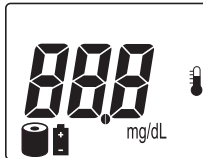


2. Press the  **TEST** button.


 You have five minutes in which to perform the test. After five minutes, the meter will shut off and the entire test procedure will need to be repeated.



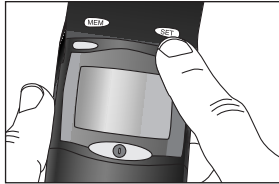
3. Wait for the test strip to advance from the meter. The flashing hand symbol and blood drop symbol appears and the meter beeps.



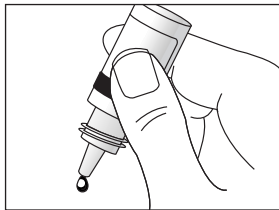
On the display, you will see “0n”, followed by the display segment test and then the date line.

 Make sure that no segments are missing from any of the **000** characters at power-on (in the display segment test). If a segment is missing, please do not run any more blood tests. Call Accu-Chek Customer CareSM at **1-800-858-8072**.

Running a Control Test



4. Press the **SET** button.



5. Invert the control bottle and squeeze until a hanging droplet of solution appears.



CTRL is displayed and will be stored in memory along with the result so it is flagged as a control test result in memory.

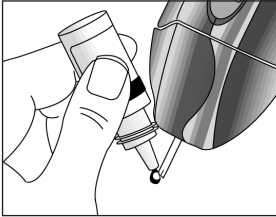
Be sure to press the **SET** button before running a control. If you don't, then the meter will think you've run a blood test. This will result in confusing information for your health care provider.

👉 Results of control checks that are flagged with “CTRL” are not used in statistical calculations (average, minimum, and maximum values). If they are not flagged, they will be included in statistical calculations.

Running a Control Test

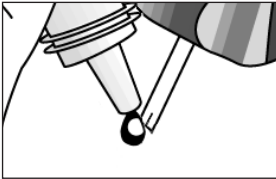


6. Hold the meter so the test strip points downward at a slight angle.



7. Gently touch and hold the droplet to the front edge of the test strip on the black notch.

Do not pull the bottle away until the 000 is displayed and the meter beeps.



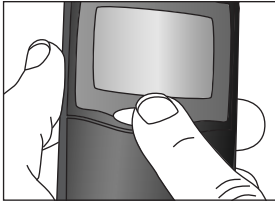
▲ EXAMPLE

The test starts as soon as the test strip has the correct amount of solution. If the beep signal is turned on, the meter will beep when the test begins.

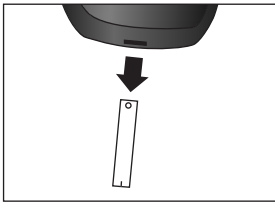
The 000 on the display gradually disappears while the test is being performed.

The test result appears and is stored in the memory automatically.

Running a Control Test




8. Holding the meter straight up and down, press the **TEST** button to turn off the meter and release the used test strip.





9. Dispose of the used test strip.





You may repeat the procedure using a different level of control solution.

 Do not open the test drum compartment when the motor is running.

 The Accu-Chek Compact™ meter turns off automatically after five minutes of nonuse. After a blood sugar result has been displayed, the meter turns off automatically after 60 seconds.

 If the display goes blank before the test strip is released, press the **TEST** button to release the strip and turn the meter off.

 **Retain the vial in which the test drum came until you have used up the last test strips. When you perform a control test, you will need to refer to the list of expected values printed on the test drum vial label.**

 Do not reuse a test strip that has been completely released from the meter.

Understanding Your Control Results

Both the Accu-Chek Compact™ test drum vial label and the control value insert indicate the acceptable ranges for Low Level and High Level control solutions. The result displayed on your meter should fall within the acceptable range for the level of solution you used.



ACCU-CHEK Compact™
Control Range

for Lot _____

Control	Target	Range
Hi		
Lo		

0000000(50)

(example)

If the result is within the acceptable range:

- You can feel confident that your test drum and meter are working properly.

If the result is not within the acceptable range:

- Check the expiration date of the test drum and control solutions. If the test drum or control solutions are expired, dispose of them promptly.
- Make sure that the 90-day use-by period for the test drum has not been exceeded.
- Make sure that you used the correct control solution.
- Make sure that the optical system is clean.
- Make sure that you performed the test within the correct temperature range +50° F to +104° F (+10° C to +40° C).
- Make sure that the cap was placed tightly on the test drum vial and control solutions. The test drums and control solutions can be damaged when they are not capped and stored properly.
- Make sure that you followed the testing steps exactly.
- Repeat the control test with a new test strip.

If the result is still not within the acceptable range, your blood sugar results may not be reliable. Contact Accu-Chek Customer Care™ for help at **1-800-858-8072**, 24 hours a day.

Blood Sugar Testing

Gathering Supplies

To begin testing, you will need the following items:

- Accu-Chek Compact™ Meter
- Accu-Chek Compact™ Test Drum
- Lancet
- Lancet Device (optional)
- Cotton Balls (optional)
- Alcohol Wipes (optional)



Testing Conditions

To obtain reliable blood sugar results, ensure the following conditions are met:

Temperature range

The test must be carried out at a temperature between +50° F and +104° F (+10° C and +40° C) because all chemical reactions are affected by temperature. If the test is performed at a temperature outside this range, the result may be incorrect. **Do not make treatment decisions based on such results.** At ambient temperatures outside this range, the meter turns off automatically or error messages or values are displayed together with the thermometer symbol. (See page 94.) Do not artificially heat or cool the meter.

Humidity

Relative humidity must be below 85%. A sudden change in temperature can cause moisture to condense on or inside the meter. If this happens, do not turn the meter on. Wait until it is thoroughly dry again. Make sure that the meter returns to room temperature slowly.

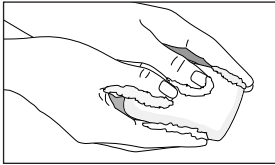
Electromagnetic fields

Very strong electromagnetic fields may affect the meter's performance. Such electromagnetic fields can occur in the open near transmitters (CB radio, radio, television) in the household near electrical equipment (microwave ovens, poorly suppressed electrical equipment), and particularly near mobile phones. If this happens, the error message "**Err**" is displayed. Move to a different location and repeat the test.

Getting a Good Drop of Blood



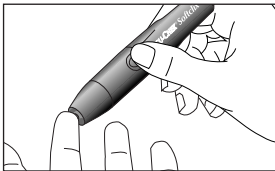
1. Prepare lancing device.



2. Wash hands in warm, soapy water. Rinse and dry completely. Warm fingers to increase blood flow.

3. Let arm hang down at side briefly to allow blood flow to fingertip.


4. Grasp finger near area to be pricked and squeeze for three seconds.




5. Keeping hand down, prick side of fingertip and squeeze gently until you get a drop of blood.



Follow manufacturer's instructions.

 Do not reuse disposable lancets.

If you use an alcohol wipe to clean your finger, make sure finger is completely dry before proceeding.

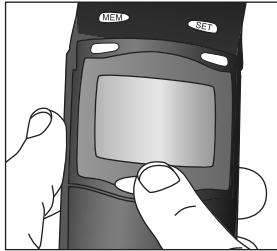
 Health Care Professionals: Follow the infection control procedures appropriate for your facility.

Be careful not to squeeze the finger too hard.


Running a Blood Test

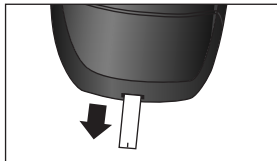


1. Open the display cover and gather your supplies.



2. Press the **TEST** button.


 You have five minutes in which to perform the test. After five minutes, the meter will shut off and the entire test procedure will need to be repeated.



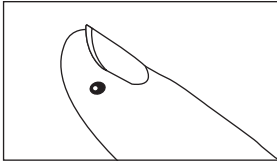
3. Wait for the test strip to advance from the meter. The flashing hand symbol and blood drop symbol appear and the meter beeps.



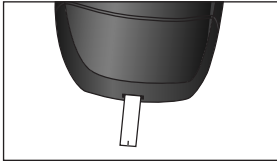
On the display, you will see “**On**”, followed by the display segment test and then the date line.

 Make sure that no segments are missing from any of the **888** characters at power-on (in the display segment test). If a segment is missing, please do not run any more blood tests. Call Accu-Chek Customer Care™ at **1-800-858-8072**.

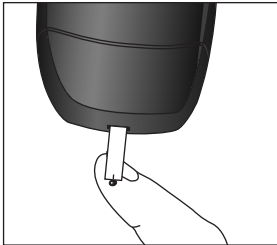
Running a Blood Test



4. Use the lancet device to obtain a small drop of blood resting on the side of your finger.




5. Hold the meter so the test strip points downward at a slight angle.



6. Gently touch and hold the black notch on the front edge of the test strip to the blood drop. The blood is drawn into the test strip automatically.

Do not pull your finger away until the 000 is displayed and the meter beeps.



 Do not bend the test strip or an error message will be displayed.



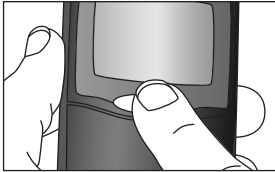
▲ EXAMPLE

The test starts as soon as the test strip has the correct amount of blood. If the beep signal is turned on, the meter will beep when the test begins.

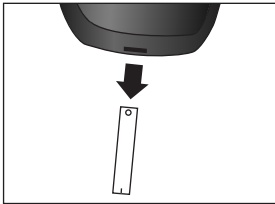
The 000 on the display gradually disappears while the test is being performed.

The meter beeps and the test result appears. The result is stored in the memory automatically.

Running a Blood Test



7. Holding the meter straight up and down, press the **TEST** button to turn the meter off and release the test strip.



8. Dispose of the used test strip. Place the lancet in a puncture proof container with a lid, such as a sharps container or a coffee can.



- Do not open the test drum compartment when the motor is running.

- The Accu-Chek Compact™ meter turns off automatically after five minutes of nonuse. After a blood sugar result has been displayed, the meter turns off automatically after 60 seconds.

- If the display goes blank before the test strip is released, press the **TEST** button to release the strip and turn the meter off.

- Retain the vial in which the test drum came until you have used up the last test strips. When you perform a control test, you will need to refer to the list of expected values printed on the test drum vial label.**

- Do not reuse a test strip that has been completely released from the meter.

Understanding Your Test Results

What's Normal?

The normal fasting adult blood sugar range for a non-diabetic is 70 - 105 mg/dL¹. One or two hours after meals, normal blood sugar levels should be less than 140 mg/dL². **Your doctor will determine the range that is appropriate for you.**

Unusual Test Results

IF...

your blood sugar result is within the “normal” range,

AND...

you experience symptoms of high or low blood sugar,

THEN...

run a control test with your control solutions (see page 42, **Control Testing**). If the control result is within the acceptable range, review the proper testing procedure and repeat your blood test. If your blood sugar result still does not reflect the way you feel, contact your doctor.

IF...

your blood sugar result seems unusually high or low,

AND...

does not reflect the way you feel, check the following:

- Was the meter properly cleaned?
- Was the test drum vial cap tightly sealed?
- Was the test drum used for more than 90 days after opening?
- Was the test drum used after the expiration date? (use-by date found on the vial)
- Was the test drum stored in extreme temperatures such as in the car in very cold or hot weather?

you get a low blood sugar result or **LO** is displayed (blood sugar result is lower than the low end of the system's reading range – refer to your test drum package insert for more information),

you also experience symptoms of low blood sugar: sweating, trembling, blurred vision, rapid heart beat, tingling or numbness around the mouth or fingertips,

THEN...

run a control test with your control solutions (see page 42, **Control Testing**). If the control result is within the acceptable range, review the proper testing procedure and repeat your blood test. If your blood sugar result still does not reflect the way you feel, contact your doctor.

contact your doctor **immediately**.

IF...

you get a low blood sugar result or **LO** is displayed (blood sugar result is lower than the low end of the system's reading range - refer to your test drum package insert for more information),

your blood sugar result is above 240 mg/dL,

you get a high blood sugar result or **HI** is displayed (blood sugar result is higher than 600 mg/dL – refer to your test drum package insert for more information),

HI is displayed (blood sugar result is higher than 600 mg/dL, meter is dirty, or strips may be expired or damaged by improper storage),

AND...

symptoms are absent,

this has occurred for several days,

you also experience symptoms of high blood sugar: fatigue, increased appetite or thirst, frequent urination, blurred vision, headache or achiness,

symptoms are absent,

THEN...

run a control test with your control solutions (see page 42, **Control Testing**). If the control result is within the acceptable range, review the proper testing procedure and repeat your blood sugar test. If **LO** still appears for your blood sugar test result, **follow your doctor's instructions**. If the control result is not within the acceptable range, turn to page 53.

check urine ketone levels with Chemstrip® K or Chemstrip® uGK Test Strips. **Contact your doctor.**

contact your doctor **immediately**.

check that the test drum has not expired or been damaged, then retest. If **HI** still appears, run a control test with your control solutions (see page 42, **Control Testing**). If the control result is within the acceptable range, review the proper testing procedure and repeat your blood sugar test. If **HI** still appears for your blood sugar result, follow your doctor's instructions. If the control result is not within the acceptable range, turn to page 53.


Other Information

Memory

Storing Results

The Accu-Chek Compact™ meter stores up to 100 results with date and time. When the meter has 100 results in the memory, the oldest result will be deleted automatically and the next test result is stored as the first result.

IF...


any important information (e.g. the thermometer symbol ) is displayed during the test,

THEN...

the meter will store this information together with that result in memory. Further information on the safety warnings may be found in the **Troubleshooting Guide** starting on page 92.

the meter displays a result of **LO** or **HI**,

the meter will store these in the memory like all other results. They will not be included in test result averages.

the time, date and  symbol appears when reviewing results in memory,

the test drum used to obtain the stored result was not usable (more than 90 days old).



Results stored in memory will not be lost when you replace the batteries.



Reviewing Stored Results

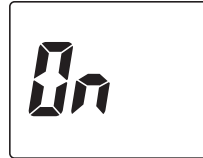
1. Open the display cover.



2. If the meter is on, press the **TEST** button to turn it off. With the meter turned off, press the **MEM** button.



3. Press the **SET** button to move towards the “oldest” result stored.



▲ EXAMPLE



▲ EXAMPLE

After the **MEM** button is pressed, the meter then turns on without advancing a test strip.

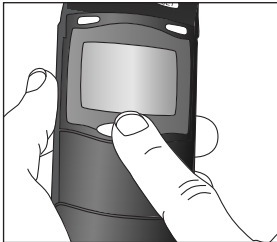
⚠ Make sure that no segments are missing from any of the **888** characters at power-on (in the display segment test). If a segment is missing, please do not run any more blood tests. Call Accu-Chek Customer CareSM at **1-800-858-8072**.

Wait for the most recent result and **MEMO** to be displayed at the bottom of the screen.

Memory



4. Press the **MEM** button to scroll forward to the “newest” result again.



5. Press the **TEST** button to turn the meter off.



▲ EXAMPLE

You can hold down the buttons to scroll through your results more quickly.

Memory

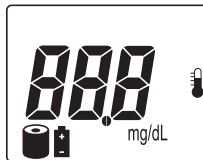


*Average (Mean) Value,
Highest Value, Lowest
Value*

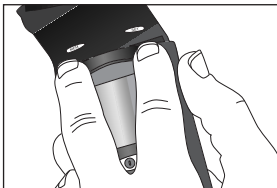
Your meter can display the highest and lowest blood sugar results and the average of current test results. Statistics are based on the results stored for the last seven days, as long as they were saved with date and time.



1. Open the display cover.
2. If the meter is on, press the **TEST** button to turn it off. With the meter turned off, press the **MEM** button.



After the **MEM** button is pressed, the meter then turns on without advancing a test strip.

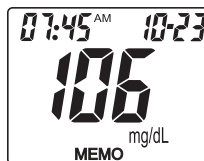


3. Press the **MEM** and **SET** buttons at the same time.

4. Press the **MEM** button by itself.

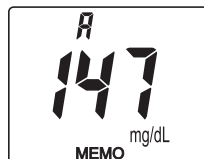
5. Press the **MEM** button again.

6. Press the **TEST** button to turn the meter off.



▲ EXAMPLE

Wait for the most recent result and **MEMO** to be displayed.



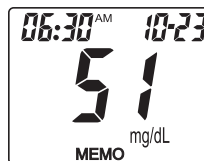
▲ EXAMPLE

The average result and the letter “**A**” are displayed.



▲ EXAMPLE

The highest measured result is displayed with date and time.



▲ EXAMPLE

The lowest measured result is displayed with date and time.

This will not advance a test strip.

Transferring Data

The blood sugar results stored in your meter can be downloaded to a computer. This way you can track long-term trends in your blood sugar values.

To download stored blood sugar results to a computer, you need an Accu-Chek™ infrared cable (not included) and:

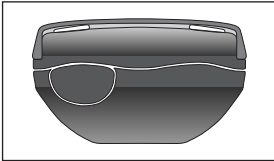
- Accu-Chek Compass™ software (Cat. No. 3134008)


The Accu-Chek™ infrared cable is available from Customer Service at **1-800-428-5076** (Cat. No. 3183408).

Transferring Data

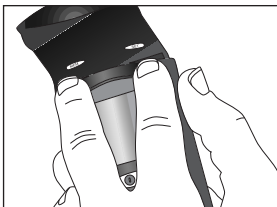


1. Install the software according to the manufacturer's instructions.
2. Initiate the software and read the manufacturer's instructions regarding information download.
3. Locate the infrared (IR) interface window on the top side of the Accu-Chek Compact™ meter. (See pages 16-17.)
4. Locate the IR window on the infrared cable.
5. Position the infrared cable within four inches (10 cm) of the meter and point the two IR windows toward one another.
6. Open the display cover.

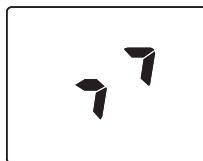


 Make sure the software is ready to accept data from the meter.

Transferring Data



7. With the meter turned OFF, press the **SET** and **MEM** buttons at the same time and release.



The meter turns on without advancing a test strip from the test drum and displays two arrows.

Two arrows flash on the display while the meter automatically downloads all stored blood sugar results to your computer. If there is only a small amount of data, the arrows may not flash on the display.

The download is complete within just a few seconds and the meter turns off automatically.

A message is displayed on the computer indicating that the data transfer is complete. Refer to the software user's manual for the specific message displayed.

- If the data transmission did not occur or was incomplete, the meter turns off automatically after five minutes.
- To make the most of the download feature, you must set the year, date, and time in your meter.

Caring for Your Meter


Storage and Handling

Please refer to the test drum package insert for the storage temperature for the test drums.

Protect the meter from extremes in temperature and humidity (the amount of dampness in the air). Avoid storing in rooms such as kitchens, bathrooms, and laundry areas.

If the meter is dropped, perform a control check with Accu-Chek Compact™ Control Solutions before doing a blood sugar test to ensure proper operation.

The Accu-Chek Compact™ carrying case protects your meter, keeps it free from dust, and stores supplies.

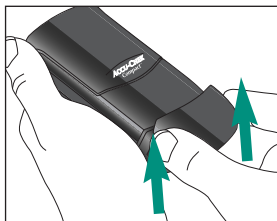
 If the test drum is in the meter, follow the temperature storage directions found in the test drum package insert. **When the batteries and test drum are inserted, do not store the meter above +86° F (+30° C).** (See page 106.) At temperatures at or above +122° F (+50° C), the batteries could leak and damage the meter. Store the meter in a dry place to keep it in good condition.

Caring For Your Meter

Cleaning the meter and optics

If the outside of your meter or the display are dirty, wipe them off with a slightly dampened cloth. If blood has entered the test strip guide or if the message “**OFF**” is displayed, clean the meter as follows:


To clean your meter:

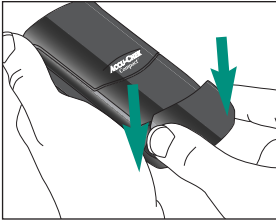


1. Remove the front nose cover from the measurement optics by gently squeezing it from both sides and lifting it up and off.




2. Clean the measurement optics carefully by slightly dampening a cotton swab or a soft, lint-free cloth with water. The optics are located in the front center section of the meter where the test strip advances.

 Do not use cleaning agents that contain acetic acid (vinegar) or scouring agents because they can damage the display and the measurement optics.



3. Replace the cover by first setting it on top of the optics window. **Snap down one side of the cover first and then snap down the other side.**

 **The cover must be snapped down completely or the strip won't advance properly.**

Troubleshooting Guide

The following are display messages and error messages that may appear on the meter's display screen. Several messages may be displayed simultaneously. For example, a combination such as a thermometer, test drum symbol, blood sugar result, date, and "CTRL" flashing means that the temperature during measurement was not between +50° F to +104° F and the 90-day count-down period has ended.

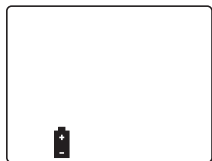
DISPLAY



Meter will not turn on.

CAUSE

- Batteries are dead.
- Ambient temperature is too low.
- Display is damaged.
- Meter is defective.



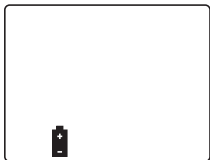
Battery power is sufficient for several more tests.

If you are unable to resolve a concern, please call Accu-Chek Customer Care™ at **1-800-858-8072**, 24 hours a day, 365 days a year. **Do not make treatment decisions based on an error message.**

ACTION

- Insert new batteries.
- Move somewhere warmer and repeat test.
- Call Accu-Chek Customer Care™.
- Call Accu-Chek Customer Care™.

Continue testing until all the test strips in the current test drum have been used. Then, insert two new batteries (type AAA) and a new test drum.

DISPLAY

The meter shuts off after three seconds.

CAUSE

Insufficient battery power – no further tests can be performed.

Clock has stopped. Clock is slow after the meter is turned on.

The meter was exposed to temperatures below +14° F (-10° C) and the batteries are starting to freeze.



▲ EXAMPLE

Temperature was outside the indicated range during testing.



It is too warm or too cold for the test, i.e. warmer than +104° F (+40° C) or colder than +50° F (+10° C).

ACTION

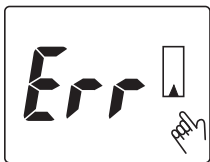
Insert two new batteries (type AAA).

Always store the meter above +14° F (-10° C).

The displayed result may only be used for reference purposes. It is saved along with the thermometer symbol.

To perform an accurate test, let the meter and test drum slowly cool down or warm up and repeat the test. The optimum measuring temperature is between +50° F (+10° C) and +104° F (+40° C).

No test result is displayed or saved. Let the meter and test drum slowly cool down or warm up and repeat the test. The optimum measuring temperature is between +50° F (+10° C) and +104° F (+40° C).

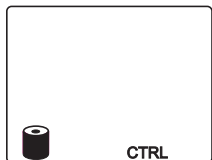
DISPLAY

There was not enough blood on the test strip to start the test.

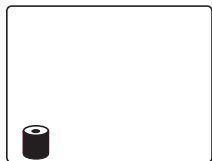


The test drum in the meter is empty.

A **dot** appears in the view window on the back of the meter.



OR



The door was opened and closed with a partly used test drum inside or a partly used test drum was inserted.

ACTION

Repeat the test with a larger drop of blood.

Insert a new test drum. If the message is still displayed, call Accu-Chek Customer CareSM.

The meter cannot determine how long the test drum has been outside the meter or whether it is still usable. If you are certain that the 90-day use-by period has not been exceeded, you may continue to use the test drum. Perform a control check to verify that the test drum is not expired. The result of the control test will be stored in memory along with "**CTRL**". The test drum symbol is displayed until a new test drum is inserted.

If you do not perform a control test, the flashing test drum symbol and the flashing "**CTRL**" will appear with every new test until a new test drum is inserted. Until this point, all results will be stored along with the flashing test drum symbol and "**CTRL**".

DISPLAY

“E-2” flashes


**CAUSE**

The bar code information stored in the meter is lost or unusable.

ACTION

Open the test drum compartment and close again.

Make sure there is a test drum loaded in the meter. If not, call Accu-Chek Customer CareSM at **1-800-858-8072**.

 The 90-day use-by counter will no longer be valid. Run a control test.

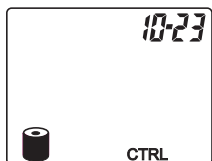


There is no test drum in the meter.

The bar code on the test drum is damaged.

Insert a test drum.

Discard old test drum and insert a new test drum.



The 90-day use-by period has been exceeded. The test strips in the test drum are not usable.

Make sure there is a test drum loaded in the meter. If not, call Accu-Chek Customer CareSM at **1-800-858-8072**.

Discard old test drum and insert a new test drum.

OR



appears during testing.

DISPLAY**CAUSE**

- A test error has occurred.
- There is electromagnetic interference.

ACTION

- Repeat the test.
- Move away from possible sources of interference. Such electromagnetic fields can occur in the open near transmitters (CB radio, radio, television) in the household near electrical equipment (microwave ovens, poorly suppressed electrical equipment), and particularly near mobile phones.



- The test strip was forcibly removed during testing.
- The strip was bent during contact with blood or controls, or during measurement.
- Optic cover is not completely snapped on.

- Repeat the test, this time releasing the strip by using the **TEST** button.
- Repeat the test.
- Snap the cover on (see pages 88-90).



The test strip is stuck in the guide.

Pull the strip out of the meter. Carefully open the test drum compartment and remove the test drum. Reinsert the test drum. Close the test drum compartment. Keep the use-by period in mind when reusing the test drum because the 90-day use-by counter in the meter is no longer correct.

DISPLAY**CAUSE**

- a. The test strip was touched against the blood drop too soon.
- b. The optical system is dirty.
- c. The test strip is unusable.
- d. The meter was turned off and on again. The strip is still in the meter.
- e. The test strip was forcibly removed during testing.
- f. The strip was bent during contact with blood or controls, or during measurement.
- g. The test strips are too old.



The blood sugar result may be above the high end of the meter's reading range.

ACTION

- a. Turn the meter off, then back on again. Repeat the test. Wait until the hand symbol has appeared in the display before touching the test strip against the blood drop or control solution drop.
- b. Clean the optical system and repeat the test (see page 88, ***Cleaning the meter***).
- c. Repeat the test with a new test strip.
- d. Hold the meter straight up and down and let the strip drop out. Or remove the strip manually, even if it takes a small amount of force.
- e. Repeat the test, this time releasing the strip by means of the **ⓘ TEST** button.
- f. Repeat the test with a new strip.
- g. Discard the old test drum. Insert a new test drum.

See ***Understanding Your Test Results*** on page 64 for more information.

DISPLAY**CAUSE**

The blood sugar result may be below the low end of the meter's reading range.

The computer displays a download-related error message and the Accu-Chek Compact™ meter is turned off or the download symbols do not appear.

- a. An error occurred while data was being downloaded.
- b. A bright light source is too close to the download cable or the meter.
- c. Positioning and distance from the infrared (IR) cable is not correct.
- d. A computer software error occurred.



The meter is defective.

ACTION

See ***Understanding Your Test Results*** on page 64 for more information.

- a. Download the data again and ensure that the meter is in download mode before initiating the software (see page 82, ***Transferring Data***).
- b. Move the light source.
- c. Move the two units to within four inches (10 cm). Make sure the two IR transmission windows are correctly positioned.
- d. Read the manual for the download software and check that it is correctly installed.

Call Accu-Chek Customer Care™ at **1-800-858-8072**.

Product Limitations

Please read the information packaged with your test drum regarding up-to-date product specifications and limitations.

Product Specifications

Meter type	Accu-Chek Compact™ Meter
Measuring range	10 - 600 mg/dL (0.6 - 33.3 mmol/L)
Sample size	3.5 µL
Measuring time	Approximately 15 seconds (depending on blood sugar level)
System operating conditions	+50° F to +104° F (+10° C to +40° C)
Meter storage conditions	With batteries and test drum: +36° F to +86° F (+2° C to +30° C)
Relative humidity operating range	Less than 85% relative humidity
Memory capacity	100 blood glucose values with time and date
Dimensions	4" x 2" x 1.2" (103 x 52 x 31 mm)
Weight	Approximately 4.2 oz. (120 g) with batteries and test drum

Display	Digital LCD with symbols
Automatic power-off	After 60 seconds / 5 minutes (depending on testing status)
Power supply	Two 1.5 volt AAA alkaline batteries (do not use rechargeable)
Battery life	Approximately 500 tests
Interface	Infrared interface
LED/IRED	Class I

Product Safety Information

Explanation of Symbols on Meter Label



See Accompanying Documentation



This product fulfills the requirements of Directive 89/336 EEC on electromagnetic compatibility.



Laboratory Use
Electrical Equipment
8C79

The Accu-Chek Compact meter has been Listed by Underwriter's Laboratories Inc.® in accordance with UL 3101-1 and CAN/CSA C22.2 No. 1010-1.

Additional Supplies

The following supplies and accessories are available from your authorized Roche Diagnostics Diabetes Health Care Center, pharmacies, or your medical/surgical supply dealer:

Test Drums

Accu-Chek Compact™ Test Drums
Cat. No. 3038106

Glucose Controls

Accu-Chek Compact™ Control Solutions
Cat. No. 3038459

Lancets

Accu-Chek® Softclix® Lancet Device
Cat. No. 957
Accu-Chek® Softclix® Lancets
Cat. No. 971 (100/box)
Accu-Chek® Softclix® Lancets
Cat. No. 988 (200/box)

Warranty

Accu-Chek Compact™ Limited Three-Year Warranty

Roche Diagnostics warrants that your Accu-Chek Compact™ meter will be free from defects in material and workmanship for three years from the date of purchase. If, during this three-year period, the meter does not work properly because of a defect in materials or workmanship, Roche Diagnostics will repair the meter or replace it with a new Accu-Chek Compact™ meter or equivalent product free of charge. The warranty of the repaired or replacement meter will expire on the date of the original warranty expiration or ninety (90) days after shipment of a replacement system, whichever period is longer. This warranty applies only to the original purchaser of the meter.

This warranty does not apply to the performance of an Accu-Chek Compact™ meter that has been damaged by accident or has been altered, misused, tampered with or abused in any way. Roche Diagnostics will handle meters that show damage or abuse according to its Non-Warranty Service Policy, described on page 110.

The purchaser's exclusive remedy with respect to the Accu-Chek Compact™ meter shall be repair or replacement, at the option of Roche Diagnostics. In no event shall Roche Diagnostics be liable to the purchaser or any other person for any incidental, consequential, special or indirect, or punitive damages arising from or in any way connected with the purchase or operation of the meter or its parts. No warranty of merchantability or fitness for a particular purpose, if any is implied from the sale of the meter, shall extend for a longer duration than three (3) years from the date of purchase.

Some states do not allow limitations on how long an implied warranty will last or the exclusion of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights, which vary from state to state.

Non-Warranty Service Policy

Roche Diagnostics' Non-Warranty Service Policy applies to meters where the above warranty has not become effective, has become inapplicable, or has expired. Roche Diagnostics will repair or replace, at its option, meters returned to it for a service charge (not to exceed \$35). Replacement will be with like or similar product. Replacement (or repaired) meters will be warranted for a period of ninety (90) days from shipment under a limited warranty providing for replacement of parts and labor at no charge.

Warranty and Service Instructions

All requests for return of Accu-Chek Compact™ meters under the above warranty or service policy must be made to Accu-Chek Customer Care™ by calling **1-800-858-8072**. You will be mailed a return authorization label which must be affixed to your carton for shipping the system to Roche Diagnostics. Cartons received without this label will be returned to you at your expense. Customers experiencing difficulties should review the **Troubleshooting Guide** section found on page 92 of this manual. Further inquiries should be directed to Accu-Chek Customer Care™ at **1-800-858-8072**.

Be sure to fill out and mail the warranty card that comes with the Accu-Chek Compact™ system.

IMPORTANT – READ CAREFULLY BEFORE USE

A RESTRICTED LICENSE LIMITS USE OF THE ACCU-CHEK COMPACT™ SYSTEM.

The Accu-Chek Compact™ System (meter, including test drum and test strips) and its use are protected by US patent numbers 5,720,924; 5,863,800; 5,206,147; 5,334,508; 5,240,860; 5,382,523; 5,521,060; 6,036,919; 4,924,879; and Re. 35,803; and may be covered by one or more of the following Patents: 5,575,403; 5,738,244; 5,630,986; 5,632,410; 5,660,791; 5,810,199; and 5,510,266. A license to use the Accu-Chek Compact™ system is only granted when the Accu-Chek Compact™ meter is used with the Accu-Chek Compact™ test drums and test strips. Accu-Chek Compact™ test strips are provided with a specifically matched bar code on the associated test drum. These test drums and associated bar code are specifically manufactured for operation with the Accu-Chek Compact™ meter. Use of other test strips or test drums with unmatched bar codes or even with a matched bar code supplied by another manufacturer may prevent or impair the proper function of the Accu-Chek Compact™ system.

Using the Accu-Chek Compact™ system indicates your acceptance of the restricted license to use the Accu-Chek Compact™ system only with Accu-Chek Compact™ test drums and test strips. If you do not agree to the terms and conditions of the restricted license, you may return, to the place of purchase, the unused Accu-Chek Compact™ system (or Accu-Chek Compact™ meter, if you only purchased a meter) for a full refund. If you have any questions, please call Accu-Chek Customer Care™ at **1-800-858-8072**.

Except where prohibited by statute, all warranties covering the Accu-Chek Compact™ system are voided by the use of the Accu-Chek Compact™ system with any test strips other than the Accu-Chek Compact™ test drums.

References

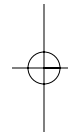
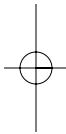
1. Tietz, N.W., *Textbook of Clinical Chemistry*, p. 2190 (1994).
2. American Diabetes Association Position Statement, *Diabetes Care*, Vol. 19 (Suppl. 1), p. S4 (1996).

Patent Information

This product may be covered by one or more of the following U.S. Patents: 5,720,924; 5,863,800; 5,206,147; 5,334,508; 5,240,860; 5,382,523; 5,521,060; 6,036,919; 4,924,879; Re. 35,803. 5,575,403; 5,738,244; 5,630,986; 5,632,410; 5,660,791; 5,810,199; and 5,510,266.

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