

## ● ABOUT US ●

Driven by the passion for innovation, we at Dr Trust endeavour to provide our customers with the latest medical inventions with an objective to promote good health and wellness all around the world. All the medical devices and health monitors provided by Dr Trust are supported by accurate, latest and ground breaking technologies, innovated at our headquarter in NY, USA. All our products adhere to the most stringent CE and FDA guidelines and are strongly recommended by doctors and health practitioners. Our products are designed in the utmost exemplary ways to ensure that their accuracy and convenience are unrivalled. The ease of their use and operation makes them even more suitable for users of all age groups.

Dr Trust strives to enhance the quality of lifestyle by providing with the most trusted and innovative health care and wellness products. Being a renowned global leader in health care products, Dr Trust ensures that our technically efficient team works dynamically and tirelessly to provide the best of the medical devices to our clients. The products that we have to offer are suitably designed for use at homes, laboratories and hospitals.

Our ground breaking solutions allow you to monitor your health in the easiest ways possible. In today's era when all of our lives are too hassled to handle, it becomes a bit difficult to pay attention to our health. But it has now become easier with the coming of the monitoring devices which can be conveniently used at homes and even on the go.

We bring to you a variety of best self medical devices, trusted and used by Doctors, medical professionals and home users all over the world.

## Dr Trust

### Blood Glucose Monitoring System - 9006

## ● ABOUT US ●

#### Step 1

Set out your glucometer, lancet, and test strip.

#### Step 2

Wash your hands first and then insert the glucometer strip into the small socket that is there in the glucometer.

#### Step 3

Use the lancing device for a prick and get the capillary blood sample.

#### Step 4

Apply the blood sample to the test strip.

#### Step 5

The test result appears on the display and you hear a beep.



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● **1. IMPORTANT INFORMATION** ●

Dr Trust Blood Glucose Monitoring System is intended use to determine the quantitative measurement of glucose in whole blood. The device is for shelf testing in vitro diagnostic use only.

**Important health-related information**

- Severe dehydration and excessive water loss may cause false low results.
- If you believe you are suffering from severe dehydration, consult your physician or doctor immediately.
- Test results below 70 mg/dL mean low blood glucose (hypoglycemia).
- Test results greater than 180 mg/dL mean high blood glucose (hyperglycemia).
- If you get results below 70 mg/dL or above 180 mg/dL and do not have symptoms of hypoglycemia or hyperglycemia, repeat the test. If you have symptoms or continue to get results that fall below 70 mg/dL or above 180 mg/dL, follow the treatment/advice of your healthcare professional.
- If you are experiencing symptoms that are not consistent with your blood glucose test and you have followed all instructions described in the user manual, consult your healthcare professional.
- The Dr Trust Blood Glucose Monitoring System is used for measuring blood glucose (also known as blood sugar) from the samples taken from the forearm, upper arm, hand, thigh, calf or fingers.



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**Note:** The Dr Trust Blood Glucose Monitoring System should only be used with Dr Trust Blood Glucose test strips. Using other test strips with this meter can produce inaccurate results.

**Warning:** The **Dr Trust Blood Glucose Monitoring System** contains small parts that may be dangerous if swallowed.

**Caution:** Please read all the instructions provided in this manual and practice the testing procedure before using the Dr Trust Blood Glucose Monitoring System. Blood glucose monitoring should be done with the guidance of a health care professional.

### Testing Blood Glucose

Testing can be done only with fresh capillary whole blood sample.

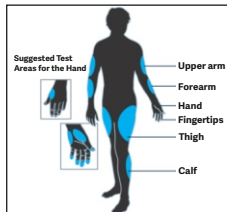
## 2. ALTERNATE TEST SITES

Suggested Test Areas for the Hand, Upper Arm, Forearm, Fingertips, Thigh, Calf.

The human figure shows here tells about the areas where you can test with the Dr Trust Blood Glucose Monitoring System.

Avoid moles, veins, bones, and tendons.

**Note:** Dr Trust Blood Glucose Monitoring System uses 0.5  $\mu$ L sample. So you can test on a variety of locations shown in the figure (right side). We recommend that you test on your fingers for better results.



## 3. GLUCOSE MONITORING SYSTEM & TESTING STRIPS

### Glucose Monitoring system

#### How It Works?

This screen always appears when the meter is turned ON, so that you can make sure the display is working properly. Do not use the meter if the system check screen does not match with the shared one (below)



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#### Test Strip Port

Insert the top end of a new test strip here. The meter powers ON when you insert the test strip.

#### mg/dL (U.S. Standard)

Indicates unit of measurement.

#### Display Screen

Displays your test results and other important information.

#### Date

DD-MM-YY

#### (Yes) Button

Previous Readings

#### Sample Area

Apply blood to sample area at end of the strip only.

#### Strip Ejector

Press this button to release the used strip after testing.

mg/dL

105

DAY  
06-12-21 14:02

Time

#### (No) Button

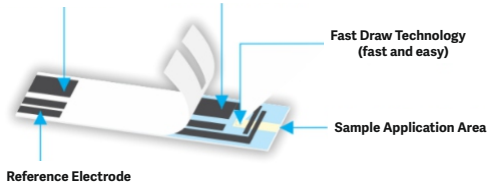
Exit

Dr Trust

## Dr Trust Blood Glucose Test Strip

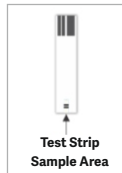
Carbon Electrode  
(for accurate results)

Plasma Etching  
(for excellent precision)



### Application of blood to strip sample area.

- Testing with Dr Trust Glucometer requires a very small sample size 0.5  $\mu$ L of blood.
- Test Strips should be used only once. Discard the used test strips.
- After getting the blood drop, fill the test strip within 60 seconds.



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**Note:** 1. The cap or vial contains drying agents that may be harmful if inhaled or swallowed and may cause skin or eye irritation.

2. The Dr Trust Glucometer should only be used with Dr Trust Blood Glucose test strips, using other test strips with this meter can produce inaccurate results.

### Important Information

The Dr Trust Blood Glucose Monitoring test strips can be used at 2° to 50°C.

The Blood Glucose Test Strips can be stored at 0° to 50°C.

Use test strips only within the operating temperature range.

Keep the strips away from direct sunlight and heat.

Store your test strips in their original vial only; never transfer them to another vial or any other container.

Never store individual test strip outside the vial.

After removing a Blood Glucose test strips from the vial, immediately close the vial cap tightly.

With clean, dry hands, you may touch the test strip anywhere when removing it from the vial or inserting it into the meter.

## 4. TESTING YOUR BLOOD GLUCOSE

### Preparing to test your blood glucose

Check the following items are present in the kit for your glucose test:

- \* Your Glucometer with battery
- \* The Blood Glucose test strips
- \* A lancing device to obtain blood using lancets.

**Note:** The Dr Trust Blood Glucose Monitoring System should only be used with Dr Trust Blood Glucose test strips. Using other test strips with this meter can produce inaccurate results.

### Times when you may be checking for low blood glucose include:

- When you are feeling symptoms such as weakness, sweating, nervousness, headache, or confusion.
- When you have delayed a meal after taking insulin.
- When your healthcare professional advises you to do so.

### Performing a blood glucose test

#### Insert test strip to turn ON the meter

Insert and slide a Dr Trust Blood Glucose test strip into the meter till it allows. The meter turns ON.



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### System check screen

When the meter powers on, this screen will appear so that you can make sure the display is working properly.

The blood drop and test strip symbols will appear on the display screen. Your meter is now ready to apply blood sample.



Blood Drop and  
Test strip Symbols

### Obtain a Blood Sample

Select a test site. There are differences in testing on fingers versus other alternative sites. Use your lancing device to obtain a blood sample.

**Note:** We recommend that you test on your fingers for better results.

### Flashing Blood Symbol on the Meter:

A test strip symbol and a flashing blood drop symbol appears on the screen. You are now ready to apply the blood sample.

### Lance your fingertip:

Lance your finger tip to obtain blood using lancing device. Bring the Dr Trust Blood Glucose test strips to the blood sample at a slight angle.

### Lance your fingertip:

**Note:** Gently squeeze or massage your fingertip to obtain a drop of blood.

### Apply Blood Sample to the Strip

The Dr Trust Blood Glucose test strip acts like a sponge and pulls the Blood into the strip through the sample area. When the meter detects the blood, you can hear a beep sound.

### Displays result on the screen

- The test will be finished in 5 seconds.
- Your blood glucose result appears on the display.
- Your results are saved automatically in the meter.

## 5. STRIP EJECTION

- After getting the result, press the strip ejector button near a dustbin so that the used strip gets released from the meter and falls in the dustbin.
- The meter turns itself OFF.

**Note:** Discard the used blood glucose test strip carefully. Used blood glucose test strip maybe considered bio hazardous waste in your area. Be sure to follow your healthcare professional's recommendations or local regulations for proper disposal.



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### Important Notes on testing glucose using Dr Trust Blood Glucose Monitoring System

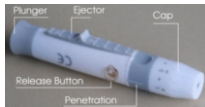
- Do not pull the Dr Trust Blood Glucose test strips away until you hear a beep sound or see the timer starting on your meter screen. This results that the meter has taken the sufficient sample and testing your glucose.
- If after 5 seconds your meter doesn't show a timer starting on the display screen, the sample may be too small or strip might be a faulty. Replace it with new strip.
- The test result is complete when your blood glucose lactate test result is shown on the display screen and you hear a beep sound twice.
- On average, your reading will display in 5 seconds.
- Do not press the Dr Trust Blood Glucose test strips against the test site.
- Do not apply blood to the top side of the Dr Trust Blood Glucose test strips.
- Do not apply blood to the Dr Trust Blood Glucose test strips when the test strip is out of the meter.
- Do not put blood or foreign objects into the Blood Glucose test strips port.
- Do not eject the test strip while test is in progress.
- Only apply blood to the test strip when drop symbol is flashing on the display.

- Use test strip only which are in use by date.
- Do not scrape the blood onto the Blood Glucose test strips.

### 6. INSTRUCTIONS FOR USE OF LANCING DEVICE

#### Intended Use

The lancing device is intended for the collection of capillary whole blood sample for testing purposes from the fingertip and from other sites, such as palm, upper arm, and forearm, which is referred to as alternate site testing. The lancing device is for use only on a single patient.



Below are the steps which have to be followed to ensure proper and safe usage of the Lancets and Lancing Device:

#### Inserting a Lancet

##### Step 1:

Remove the cap from the lancing device.



##### Step 2:

Insert a new lancet firmly into the lancet holder as far as it will go.



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**Step 3:**

Twist the protective cap to remove from the lancet. (Don't bend the protective cap).

**Step 4:**

Place the cap back on to the device. The cap must audibly click into place.

**To Obtain a Blood Sample****Step 5:**

Select the desired depth setting then pull the plunger (on the end of the device) all the way down & you hear a click. Then the device is ready.

**Step 6:**

Wash your hands & dry them thoroughly. Hold the lancet device against your finger tip, then press the release button. The lancet is released and it penetrates the skin.

**Note:**

1. The amount of blood that emerges depends on the penetration depth and the pressure used to hold the lancet device against the skin.

2. If not enough blood emerges, apply more pressure on the lancet device when you next obtain blood. If that is not sufficient, increase the penetration depth progressively in addition.
3. If too much blood emerges, decrease the penetration depth.
4. Test your blood glucose immediately after you obtained blood, according to the instructions for use of your blood glucose meter.

**Penetration Depth**

You can set the penetration depths between (1 to 5). The larger the number provides the greater penetration depth.

Penetration depth depends on the skin thickness, If you have sensitive skin set a low penetration depth level.

Rotate the lancet device dial until the desired penetration depth is set.

**Ejecting the used Lancet**

The Lancet Device has an ejection feature, so you do not have to pull out the used lancet.

1. Remove the cap from lancet device.
2. Slide/Push the ejector forward. The used lancet is ejected.
3. Place the cap back on to the device.



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**Note :**

*It is Important to use a new lancet each time you obtain a blood sample. This will help to prevent from infections. Discard the used lancet carefully after each use to avoid unintended lancet stick injuries. Used lancets maybe considered biohazardous waste in your area. Be sure to follow your healthcare professional's recommendations or local regulations for proper disposal.*

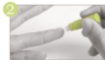
**7. INSTRUCTIONS FOR USE OF LANCETS**

**How to use**

Twist and remove the protective cap from the lancet.



Place white end of lancet on the test site.



Push the lancet down against test site to activate the lancet mechanism.



**Note:** *It is Important to use a new safety lancet each time you obtain a blood sample. This will help to prevent from infections. Discard the used safety lancet carefully after each use to avoid unintended safety lancet stick injuries. Used safety lancets maybe considered biohazardous waste in your area. Be sure to follow your healthcare professional's recommendations or local regulations for proper disposal.*

**8. LO AND HI READINGS**

**Important:**

Low or high blood glucose readings can indicate a potentially serious medical condition. The Dr Trust Blood Glucose Monitoring System displays results from 20 to 800 mg/dL.

If the test result is below 20 mg/dL, "Lo" will appear on the screen.  
If the test result is above 800 mg/dL, "Hi" will appear on the screen.

The following chart outlines normal blood sugar ranges for people with and without diabetes, depending on the time of day:



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Time of day	Target blood sugar for people without diabetes	Target blood sugar for people without diabetes
Before meals or while fasting	72–99 mg/dL	80–130 mg/dL
2 hours after the start of a meal	less than 140 mg/dL	less than 180 mg/dL

### Low Reading with Symptoms

If you have a reading below 70 mg/dL and have symptoms such as weakness, sweating, nervousness, headache or confusion, then follow your doctor's recommendation to treat hypoglycemia.

### High Reading with Symptoms

If your test result is above 800 mg/dL (display HI), this indicates severe hyperglycemia (high blood glucose).

If you feel symptoms such as fatigue, thirst, excess urination, or blurry vision, then follow your doctor's recommendation to treat hyperglycemia.

## 9. METER MAINTENANCE

### Battery

Your Glucometer comes with one preinstalled, 3 volt, lithium battery. The battery provides enough power for the meter to perform about 1000 Tests. If your battery runs low, the battery needs to be replaced.

### Replacing the Battery

1. Flip the meter over on your hand.
2. Press and slide the battery cover downwards to reveal battery compartment and then remove the battery.
3. Insert a new battery with "+" symbol on the top.
4. Realign the battery cover and slide up until you hear a click to confirm its locked in place.

### Date and Time Set-Up (On Replacement of Battery)

Your Dr Trust Blood Glucose Monitoring System allows you to set the Date and Time as you like. You can view 24 hour time.

To get into set-up mode, remove the battery and replace it. A complete display will briefly appear, then numbers will flash in the bottom left corner of the display.



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### Steps to set the Year and Date:

- Remove battery and replace it to set date and time.
- With the number flashing in the position of Year on the display. Press ">" (forward) button until you reach the current year.
- Press "<" (backward) button to set.
- The number in the month flashes on the display.
- Press ">" (forward) button until you reach the current month.
- Press "<" (backward) button to set.
- The number in the day position flashes on the display. Press ">" (forward) button until you reach the current day.
- Press "<" (backward) button to set.

### Setting the Time

- The hour will now flash. Press ">" (forward) button to select the current hour.
- Press "<" (backward) button to set.
- The number in the minute position will now flash.
- Press ">" (forward) button until you reach the current minute.
- Press "<" (backward) button to set.

#### Note:

To quickly adjust a certain number, keep pressing the > button until the one you want appears.

At any step if you want to shut the meter off, Press< button until you complete the cycle and all setting still can be automatically saved.

### Caring for your Meter

Avoid getting dirt, dust, blood, water, or any other liquid in the meter's test strip and data ports. Clean the outside of the meter using a cloth dampened with one of the following:


- Mild detergent/mild soap and water.
- 70% isopropyl alcohol.
- A mix of one part household bleach, nine parts water.

#### Important:

- Never immerse the meter in water or any other liquid.
- The meter should be handled with care. Dropping, rough handling etc., may damage the meter. Also, protect the meter from moisture, prolonged direct sunlight and high temperatures.



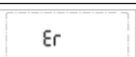
## 10. TROUBLESHOOTING

### System Troubleshooting

Error Messages	Possible Causes
	Insufficient Sample



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	<b>Error in Sample</b>
	<b>Error in Operating Temperature</b>
	<b>Used test strip</b>

#### What you should do?

Be sure you see the blood drop and test strip symbols on the display screen before you apply blood.

#### Meter does not enter the test mode after inserting a test strip.

Probable cause	What to do
The battery is dead.	Replace the battery.
The battery is installed incorrectly or there is no battery in the meter.	Check that the battery is installed correctly with the positive (+) sign facing upward, towards you.

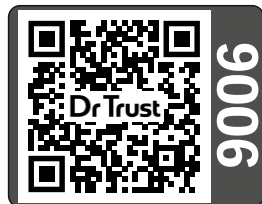
Test strip inserted upside down, wrong end in, or incompletely inserted into the meter.	Insert the Dr Trust Blood Glucose test strips with the white sheet with sample inlet side up and the top of the strip in the meter.
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#### Test does not start after applying the blood sample.

Probable cause	What to do
Blood sample too small.	Replace the Strip and apply enough sample.
Defective test strip.	Repeat the test with a new Dr Trust Blood Glucose test strip.
Sample applied before the appearance of blood sign.	Wait until you see the Blood and Test Strip symbols on the display screen before you apply the blood sample.

### 11. TECHNICAL SPECIFICATIONS

<b>Test Principle</b>	<b>Determination of glucose in fresh capillary whole blood</b>
Assay Method	Amperometric Biosensor




Hematocrit (The ratio of the volume of red blood cells to the total volume of blood.)	15 % to 65 %
Measurement Units	mg/dL
Strips Storage Temperature	0 ° to 50 ° C (Do not refrigerate)
Operating Temperature	2 ° to 50 ° C
Operating Relative Humidity	10 % to 95 % (non-condensing)
Strips Shelf Life	24 Months
Memory	500 Previous Readings
Power Source	One 3 volt lithium battery (CR2032), replaceable
Battery Life	Approximately 1000 tests
Result Range	20 to 800 mg/dL
Sample	Capillary whole blood



















Sample Size	0.5 $\mu$ L (500 nanoliters)
Meter Size (Centimeters)	Length 9.5 x Width 6.0 x Depth 2.0
Display Size (Millimeters)	48 (diagonally) LCD
Test Time	5 seconds
Weight	54 grams
Strip Ejection	Yes
Construction	Handheld
Protection Class	C

## 12. EXPLANATION OF SYMBOLS

These symbols may appear on the packaging of Gluco Spark Blood Glucose Monitoring System

	CE Marking
	Manufacturer



	Data of Manufacturer
	Use by Date
	Batch Code
	Serial Number
	Keep Away from Sunlight
	Storage & Operating Temperature
	Do not reuse
	Consult instructions for use
	In vitro diagnostic medical device
	Caution
	Do Not Use if Package is Damaged
	ISO 9001-2015 Certified
	Directive 2012/19/EC on waste electrical and electronic equipment (WEEE)
	Keep Dry. Needs protection from moisture.
	Recyclable
	Recover/recyclable packaging.
	Handle with care.
	Important information leaflet

## CUSTOMER SUPPORT

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