The MiniMed® Paradigm® Veo™ Insulin Pump and Continuous Glucose Monitoring (CGM) System
Important Contact Details

Staying in touch with your Healthcare Professional (HCP)

Name of your HCP: _____________________________________________________________

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Email: _____________________________________________________________________

Business hours: __________________________________________________________________

Your Diabetes Educator: _______________________________________________________

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For further information on a specific topic, please refer to the highlighted chapters in the MiniMed® Paradigm® Veo™ User Guide.
Introducing the Veo™

The essential elements in managing your diabetes with pump technology

- **RESERVOIRS**
- **TRANSFER GUARD**
- **RESERVOIR COMPARTMENT**
- **INFUSION SET**
- **PARADIGM® CONNECTOR**
- **EXPRESS BOLUS**
- **RETURN to prior screen**
- **BOLD DISPLAY**
- **CONFIRM the information**
- **MINILINK™ & SENSOR**

Refer to Chapter 3 in the Veo™ User Guide
Getting Started

Thank you for choosing Medtronic as a partner in managing your diabetes. Whether you are just starting with pump technology or upgrading from a previous model, this guide is designed to help you understand the basic operation of your Veo™ insulin pump. Your healthcare team will discuss more on the benefits and everyday use of your Veo™.

Understanding the basics

Things you will need for this section:

- Veo™
- User Guide
The Veo™

A user-friendly pump

- You only need to press a few buttons to make appropriate selections and adjustments
- Simple on-screen instructions help with the infusion set and reservoir changes
- An easily-accessible backlight illuminates the pump’s screen in the dark
- Large, clear text makes all on-screen information easy to read
- Inserting the infusion set is straightforward and virtually painless

In this section, we’ll give you practical instructions to help you feel as comfortable as possible using your Veo™ from day one.

Information contained herein does not replace the recommendations of your healthcare professional. Please refer to the Veo™ User Guide and your healthcare team for more information. When using an insulin pump, check your blood glucose a minimum of 4 times a day.

The Veo™ is discreet and can be easily attached to your waistband.
Breakdown of the Buttons

**Simple buttons for simple use**

The buttons are designed to give you a simple and effective way to manage your Veo™.

- EXPRESS BOLUS to set a Bolus
- RETURN to prior screen
- CONFIRM information
- SCROLL UP
- SCROLL DOWN

*The Veo™ buttons will be referred to throughout the brochure using the icons shown to the left.*

Refer to Chapter 3 in the Veo™ User Guide
Menus and Menu Options

Navigation

Press the ACT button from the MAIN MENU to get to the submenus.

Press the ESC button from a submenu screen to return to the MAIN MENU.

Scroll bar (appears when more screen text is available)

Press V to scroll down to view additional screen text.

Press A to scroll back up.

Note: All screens are samples only. Actual screens depend on the current active functions. Blue Arrows (▼) indicate submenus.
Status screens

**Pump Status Screen**

<table>
<thead>
<tr>
<th>STATUS U100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Alarm: 24APR 11:30 LoBat</td>
</tr>
<tr>
<td>Active ins: 1.050U</td>
</tr>
<tr>
<td>Last Bolus N 3.800U 9:07 24 MAR</td>
</tr>
<tr>
<td>Basal 1: 0.15U/H Reservoir Started: 23APR, 12:44</td>
</tr>
<tr>
<td>Units left: 144.0U Time left: &gt; 24 hours BG Reminder in 2:04h Meter: On Battery: Normal</td>
</tr>
<tr>
<td>Auto Off - 12HR Fri 25 APR 2008 S/N# 123456 Paradigm 554 VER X.XX X.X</td>
</tr>
</tbody>
</table>

1. Displays only when the Bolus Wizard™ feature is off.
2. Displays only when the Bolus Wizard™ feature is on.
3. Displays only when the sensor is communicating with the pump.
4. Displays if Sensor is on.
5. Displays if Glucose Alerts feature is on.
6. Displays if Capture Option is turned on in Utilities Menu.
7. Displays only after setting Temp Basal.
8. Displays only when the Patterns feature is on.
9. Displays only after a rewind.
10. Displays only when you hold and press ACT.
11. Displays only after the settings have been saved.

**Sensor Status Screen**

Press the ESC button to go to the SENSOR STATUS screen.
Operational Modes

The 3 operational modes

Normal Mode
The pump operates normally.

Special Mode
Indicates special circumstances: low battery, low reservoir, temporary basal, etc.

Attention Mode
Administration of insulin is stopped. Please press ACT to view alarm type to take action.

Important Notice

Please note that this model of the MiniMed® Paradigm® Veo™ Insulin Pump is hard-coded to mg/dl. This means that the glucose units of measure displayed will only be available in mg/dl.

Please ensure that the Veo™ insulin infusion pump is used only with blood glucose meters that are locked to mg/dl.

Refer to Chapters 10 & 13 in the Veo™ User Guide
Key Alarms

Alarm message

When An Alarm Sounds:
Press \textbf{ACT} to make the following screen appear.

\textbf{THE SCREEN INDICATES THE REASON FOR THE ALARM.}
Press \textbf{ESC} and \textbf{ACT} to clear the alarm.

- \textbf{Empty Reservoir} CHANGE THE RESERVOIR immediately.

- \textbf{Weak Battery} REPLACE THE Energizer AAA BATTERY immediately.

- \textbf{No Delivery} BLOCKAGE DETECTED: insulin delivery stopped. Check blood glucose and ketone bodies.

- \textbf{Failed Batt Test} CHECK SETTINGS, BATTERY VOLTAGE INADEQUATE. Install a new battery.

- \textbf{Bolus Stopped} CHECK Bolus HISTORY. Reprogram Bolus with the amount not delivered.

- \textbf{Low Suspend} Sensor glucose measurement is below the Low Suspend Limit. Check blood glucose.

To learn more about alarms and alerts, please refer to the Veo™ User Guide.

Refer to Chapters 10 & 13 in the Veo™ User Guide
Getting Connected

Understanding Infusion Sets and Reservoirs

Things you will need for this section:

- Reservoir
- Infusion Set
- Serter (depending on the infusion set)
- Insulin
- Sharps disposal container

The Veo™ shown in pink colour
Infusion Sets and Reservoirs

A unique connection

Medtronic has developed a range of infusion sets and reservoirs designed specifically for the MiniMed® Paradigm® Veo™. They have one key point in common:

The Paradigm® Connection: a unique interface between your MiniMed® Paradigm® infusion set and reservoir. The Paradigm® Connection builds on our experience of traditional Luer lock systems, with additional benefits for you.

Our venting system is used to maintain the proper pressurized environment for the internal and external mechanisms of the Veo™. This venting system is built directly into the set to help maintain the reliability of insulin delivery.

The Paradigm® Connection: two parts, one interface, a secure fit—click!

Refer to Chapter 5 in the Veo™ User Guide
Note: Successful pumping relies on proper infusion set management. **Changing your infusion set every 2 to 3 days may help ensure the smooth operation of your pump.**
Paradigm® Reservoirs

Simplicity and security

- **TRANSFER GUARD SNAPS ONTO INSULIN VIAL** for secure and stable reservoir filling
- **NEEDLE INCORPORATED INTO TRANSFER GUARD** to help prevent injury
- **PRE-ASSEMBLED AND READY TO USE** for fast, efficient reservoir filling
- **SILICONE MEMBRANE** seals the reservoir when the Transfer Guard is removed to help prevent leakage
- **ROUNDED SHAPE** helps eliminate air bubbles to ensure accurate insulin delivery
- **ERGONOMIC DESIGN** makes it easy to grab the connector for secure handling
- **VENTS** are built into the connector, so they are replaced every time you change your infusion set
- **CONNECTOR FITS SECURELY** on both the reservoir and the Veo™, ensuring a leak-proof connection—click!
- **AIRTIGHT SEAL** for reliable insulin delivery when connected to reservoir

Refer to Chapter 5 in the Veo™ User Guide
Paradigm® Infusion Sets

**Choice and flexibility**

**Quick-set®**
- Soft cannula set
- 90 degree insertion angle
- Quick-sarter™ insertion device for consistent insertion depth
- At-site tubing disconnection

**mio™**
- Soft cannula set
- 90 degree insertion angle
- “All-in-one” design combines infusion set and insertion device
- At-site tubing disconnection

**Silhouette™**
- Soft cannula set
- 20 to 45 degrees variable insertion angle
- Sil-sarter™ insertion device for controlled insertion depth
- At-site tubing disconnection

**Sure-T®**
- Steel cannula set
- 90 degree insertion angle
- Tubing disconnection 10 cm from infusion site

Please speak with you healthcare professional about which infusion set may be right for you.

Refer to Chapter 5 in the Veo® User Guide
Inserting the Infusion Set

Insert the infusion set

- **Wash hands thoroughly** before any handling
- **Prepare your materials**: insulin, reservoir, infusion set and pump

The insulin should be at **room temperature** prior to filling the reservoir. Refer to the instructions for use for the infusion set you are using.

Remember to **rotate and cleanse insertion sites**:
- Abdomen
- Upper buttock
- Lower back
- Outer thigh
- Arm

**Additional tips**

- It is recommended to **stand while inserting**
- **Insert** the new Infusion Set before removing the old one; this will ensure you do not re-insert at the same location
- **Choose** a site free of lumps, bumps, bruises, tattoos, etc.
- **Clean** the inside of the Serter with alcohol each month to ensure proper function

Refer to Chapter 5 in the Veo™ User Guide
Select an insertion site that corresponds to one of the highlighted areas in the diagram.

**WARNING**

- All “sharps” (e.g., introducer needle, Transfer Guard, old tubing, etc.) should be disposed of in the sharps container
- It is recommended not to change the infusion set before going to bed
- Check your blood glucose 2 hours after the infusion set change
- It is recommended to change the infusion set prior to a meal
Filling the Reservoir

**Step 1**
CLEAN the insulin vial stopper with an alcohol wipe.

**Step 2**
INSERT the needle of the Transfer Guard into the vial.

**Step 3**
PRESSURIZE the vial by pushing the plunger down completely.

**Step 4**
While holding the plunger down, INVERT the reservoir and allow the reservoir to fill. Gently pull the plunger, if necessary.

Refer to Chapter 5 in the Veo™ User Guide
**Step 5**
REMOVE any air bubbles from the reservoir by gently tapping it with your finger.

**Step 6**
REMOVE the Transfer Guard from the reservoir (1/4 turn) and connect the reservoir to the infusion set.

**Step 7**
To PURGE air bubbles that have risen to the top of the reservoir, push up on the plunger until you see insulin in the tubing.

**Step 8**
UNSCREW the reservoir plunger.

Refer to Chapter 5 in the Veo User Guide
Inserting the Quick-set® Infusion Set Using the Quick-serter™

Please refer to PAGE 22 of this manual BEFORE YOU START.

**Step 1**
INSERT the Quick-set® into the inserter (Quick-serter™).

**Step 2**
REMOVE the protective films from the adhesive.

**Step 3**
LOAD the Quick-serter™ by pulling back on the plunger.

**Step 4**
REMOVE the needle protector (blue cone) by unscrewing it.

**Step 5**
FILL TUBING. Refer to page 31 of this guide before you start.

**Step 6**
POSITION the Quick-serter™ at the desired site.

Refer to Chapter 5 in the Veo™ User Guide
Step 7
SQUEEZE the 2 white triggers to begin insertion.

Step 8
PRESS the plunger down with your index finger to release the introducer needle.

Step 9
REMOVE the Quick-serter™ while supporting the tubing with your other hand.

Step 10
Carefully WITHDRAW the introducer needle.

Step 11
Fold the needle before placing it in a sharps container.

Recommended Cannula Fill:
0.3 U for 6 mm, 0.5 U for 9 mm.
Inserting the mio™ Infusion Set

Please refer to PAGE 22 of this manual BEFORE YOU START.

**Step 1**
Remove the mio™ infusion set from the packaging and sterile paper.

**Step 2**
With one hand, press the raised markings on the sides of the mio™ lid. Then, raise and remove the lid.

**Step 3**
Free the tubing from the slot that holds it in place. **Gently** unwind the tubing in a counter-clockwise direction.

**Step 4**
Peel the paper to expose the adhesive.

**Step 5**
Turn the mio™ over and hold it by the lined ridges on the sides.

**Step 6**
With your other hand pull up on the centre of the inserter until it clicks and locks into place.

**Step 7**
Carefully hold the needle guard by the tip. To remove the needle guard, **gently** turn it and pull it away to expose the needle.
Step 8
Place the tubing in the slot on the side of the inserter.

Step 9
FILL TUBING. Refer to page 31 of this guide before you start.

Step 10
Place mio™ against the prepared site on your body. Press the two round indentations on the side of the mio™ to insert needle.

Step 11
Push down on the centre of the inserter to press the adhesive against your skin.

Step 12
To remove the inserter, hold it by the centre and gently pull it straight out and away from your body.

Step 13
Place the lid back onto the inserter to safely discard the needle.

Recommended Cannula Fill: 0.3 U for 6 mm, 0.5 mm for 9 mm.
Inserting the Silhouette™ Infusion Set Using the Sil-serter™

Please refer to PAGE 22 of this manual BEFORE YOU START.

**Step 1**
OPEN the mouth of the Sil-serter™ inserter.

**Step 2**
PLACE the Silhouette™ in the Sil-serter™ and release the mouth.

**Step 3**
REMOVE the needle protector. REMOVE the first half of the protective film from the adhesive.

**Step 4**
LOAD the Sil-serter™.

**Step 5**
PLACE the feet of the Sil-serter™ on the insertion site and position the angle at approximately 20 to 45 degrees.

**Step 6**
INSERT the Silhouette™ by pressing the white button.

Refer to Chapter 5 in the Veo™ User Guide.
GETTING CONNECTED

Step 7
OPEN the Sil-serter™ mouth again and SLIDE it backwards.

Step 8
WITHDRAW the introducer needle by squeezing it on the sides.

Step 9
FILL TUBING. Refer to page 31 of this guide before you start.

Step 10
REMOVE the other half of the protective film from the part before the adhesive. PRESS the back part of the adhesive to the skin.

Step 11
CONNECT the tubing and the Silhouette™

Recommended Cannula Fill: 0.7 U for both 13 mm and 17 mm.

You can also insert the Silhouette™ infusion set manually without a serter. Please see your healthcare professional for further instructions.
Filling the Infusion Set Tubing

These are the steps to fill your infusion set tubing and cannula.

Please read the filling instructions below before performing the steps:

To fill the Quick-set®, mio™ and Silhouette™:
• Fill the tubing first
• After filling the tubing, insert the infusion set
• Fill the cannula

To fill the Sure-T®:
• BEFORE inserting the infusion set, fill the entire infusion set and cannula
Filling the Infusion Set Tubing (continued)

Step 1 ACT

Step 2 ACT

Step 3 ACT

Step 4
Please wait while rewinding and then press ACT

Step 5 ACT
Insert the reservoir into the pump compartment and turn it to lock.

Step 6 ACT

Step 7 ACT

Step 8 ACT

Step 9 ACT

Step 10 ACT

Step 11 ACT
Using the arrows, ADJUST the volume needed to fill the cannula.

Step 12 ACT

Refer to Chapter 5 in the Veo™ User Guide
Understanding Basal and Bolus

Things you will need for this section:
• Starting hourly Basal rate
• Sensitivity factor
• Insulin to carb ratio (or exchange)
• Blood glucose targets
Basal and Bolus

Understanding Basal and Bolus

The Veo™ allows you to set multiple Basal rates. The Basal insulin is delivered throughout the day and night to cover your insulin needs between meals and at night. When you exercise, you can reduce the Basal rate so that your blood glucose does not drop too low. When you are sick or have an infection, you can increase the Basal rate. This will keep your blood glucose from going up too high.

The Veo™ allows you to give a Bolus, or dose of insulin, on demand, when you eat. You can also increase or decrease your meal Bolus based on the foods you choose to eat. A Bolus may also be used to lower an elevated blood glucose. This is called a correction Bolus.

Your healthcare professional will calculate these rates for you.

**Basal rate**: the minimum requirement of insulin the body needs to maintain blood glucose at a proper level between meals and during the night.

**Bolus**: the insulin needed to compensate for meals and/or correct high blood glucose.

Refer to Chapters 4, 6 & 7 in the Veo™ User Guide
Express Bolus

Setting the Express Bolus

**Step 1**
Press \[\text{Bolus}\], Bolus (IF Bolus Wizard™ is in use, press \[\text{ACT}\] three times).

**Step 2**
Use arrows \[\text{↑}\] to adjust Bolus rate, then press \[\text{ACT}\].

**Step 3**
The pump delivers the Bolus immediately.

Cancelling a Bolus (Temporary stop)

**Step 1**
WARNING: The BOLUS and BASAL flow have been stopped. The pump is not administering any insulin while suspended.

**Step 2**
RESUME will restart Basal rate only. All remaining Bolus is cancelled following suspend.

Refer to Chapters 4, 6 & 7 in the Veo™ User Guide
Setting the Basal Rate

To set the **Basal rate** for different times and activities of the day.

**Step 1**
Select Basal Setup from the BASAL MENU and press **ACT**.

**Step 2**
Select Set/Edit Basal from the BASAL SETUP menu and press **ACT**.

**Step 3**
SET BASAL RATE 1 using ▲ and press **ACT**.

**Step 4**
To SET BASAL RATE 2, enter Start Time 2, press **ACT** and Basal Rate 2, press **ACT**. To start with only Basal Rate 1, simply press **ESC** to get back to the Basal rate review menu.

**Step 5**
Remember to check the 24-hour total.

Refer to Chapters 4, 6 & 7 in the Veo™ User Guide
Basal Review

To check your Basal rates and times:

**Step 1**
To review your Basal rates and times, choose \( \uparrow \) BASAL MENU from the MAIN MENU and press \( \text{ACT} \). Then, choose \( \uparrow \) Basal Review and press \( \text{ACT} \).

**Step 2**
Use \( \uparrow \) to scroll up and down and view your set Basal rates and times.

*Discuss setting temporary basal rates with your healthcare professional.*

Refer to Chapters 4, 6 & 7 in the Veo ™ User Guide
Setting the Missed Bolus Reminder

Missed Bolus Reminder feature:

When turned on, the Missed Bolus Reminder is used as a reminder to eat or deliver a Bolus within a given period of time. If you do not deliver a Bolus within the Missed Bolus Reminder time period, the MISSED Bolus alert displays. Press 🔄, ACT to clear this alert.

Add, delete, and review Bolus reminders

You have to turn on the Missed Bolus Reminder option to add, delete and review the programmed reminders.

The pump is set at the factory with the Missed Bolus Reminder feature turned Off.

Go to Bolus menu

1. Go to BOLUS SETUP, then go to the MISSED Bolus REMINDER screen.
   Main > Bolus > Bolus Setup > Missed Bolus Reminder
2. Select On/Set, then press ACT.

Add a Reminder

You can set up to four Missed Bolus Reminders.

If you enter the same Start Time and End Time, you will get one Missed Bolus Reminder in a 24 hour period.

If you add a Missed Bolus Reminder with a start time earlier than the current pump time, you will not get this Missed Bolus Reminder until the next day.

Refer to Chapters 4, 6 & 7 in the Veo™ User Guide
Add a Reminder

**Step 1** Select Add Reminder on the MISSED BOLUS REMINDER screen, then press ACT.

**Step 2** The Start Time flashes. Times can be entered in 30 minute increments. Set the Start Time, then press ACT.

**Step 3** After this time is set, the End Time flashes. Set the End Time and then press ACT.

Delete a Reminder

**Step 1** Select Delete Reminder on the MISSED BOLUS REMINDER screen and then press ACT.

**Step 2** In the DELETE REMINDER screen, highlight the Bolus reminder that you want to delete and then press ACT.

Review a Reminder

**Step 1** Select Review Reminders on the MISSED BOLUS REMINDER screen and then press ACT.

**Step 2** Review your Missed Bolus reminders. Exit the menus when you are done.

Refer to Chapters 4, 6 & 7 in the Veo-User Guide
Bolus Wizard™

The Bolus Wizard™ performs all the calculations needed to manage your insulin dosing and reduce the potential for hypoglycemia, by calculating:

- **Correction Boluses** when glucose is out of target range
- **Meal Boluses**, if you are able to calculate your carbohydrates

Before using the Bolus Wizard™, you must determine the following settings with your diabetes care team:

**Carbohydrate-insulin ratio** (Carb Ratio): the amount of carbohydrate covered by 1 unit of insulin.

*You may have different ratios for different meals (breakfast, lunch and dinner) or different times of the day. This ratio may also be different during physical exercise.*

**Insulin sensitivity factor** (Ins Sensitivity): corresponds to the decrease in your blood glucose when 1 unit of insulin is bolused.

*Your sensitivity to insulin may vary throughout the day. This factor may also be different during physical exercise.*

**Blood glucose targets** (BG Target): the two values that you would ideally like your blood glucose to stay between.

**Active insulin duration** (Active Ins Time): how long the insulin will have a glucose lowering effect in your body once it has been bolused.

**WARNING**

If you do not know your personal settings, do not use this function and discuss it with your diabetes care team.

Refer to Chapter 6 in the Veo™ User Guide
Programming the Bolus Wizard™

Follow the instructions using the screens as a guide to the Bolus Wizard™.

**Step 1** From the MAIN MENU choose Bolus and then press ACT.

**Step 2** From the BOLUS MENU choose Bolus Setup and then press ACT.

**Step 3** From the BOLUS SETUP menu choose Bolus Wizard Setup and then press ACT.

**Step 4** From the BOLUS WIZARD SETUP menu choose Edit settings and then press ACT.

**Step 5** From the BOLUS WIZARD On/Off menu choose “On” and then press ACT. Afterwards, please enter other information for all requested data: Carb Units, Carb Ratio, BG Unit, Sensitivity, BG Target, Active Insulin Time.

**Reviewing settings**

Always check the programming performed before using the Bolus Wizard™. Use the Review settings line in the menu entitled BOLUS WIZARD SETUP.

Refer to Chapter 6 in the Veo™ User Guide
Using the Bolus Wizard™

With the **Bolus Wizard™**, you can:
- Perform a **Correction Bolus**: enter only your blood glucose value
- Perform a **Meal Bolus**: enter only the amount of carbohydrates
- **Combine both** (meal + correction Bolus): enter both blood glucose and carb amounts

*Example: blood glucose of 127.8 mg/dl and carbohydrates = 40 g*

**Step 1** Press **ACT** 3 times to access the Bolus Wizard™.

**Step 2** Use **↑** to enter BLOOD GLUCOSE in mg/dl and then press **ACT**.

**Step 3** Use **↑** to enter MEAL CARBOHYDRATES in grams and then press **ACT**.

**Step 4** Use **↑** to scroll through your ESTIMATE DETAILS and then press **ACT**.

If you decide to adjust the Bolus, use the **↑** arrows to adjust and then press **ACT** to administer the Bolus.

Refer to Chapter 6 in the Veo™ User Guide
Capturing Events

Capture Events electronically saves certain information:

- Blood glucose measurements
- Amount of carbohydrates consumed
- Amount of insulin used
- Exercise and activity

All entered information can be sent to Medtronic CareLink® Personal software.

To turn on the Capture Event feature:

Step 1 From the MAIN MENU choose Utilities and then press ACT.

Step 2 Then select Capture Option in the UTILITIES MENU and then press ACT.

Step 3 Select On and then press ACT.

Follow path below to save Exercise information:

Step 1 Select Capture Event in the MAIN MENU: Main > Capture Event.

Step 2 Select Exercise Marker.

Step 3 A message asks if you want to save this exercise. Make your selection and then press ACT.

Follow these steps to enter exercise information. It is important to be consistent and enter the exercise marker either before or after each time you exercise.

Refer to Chapters 8 & 9 in the Veo® User Guide
Getting Control with CGM

Understanding the benefits of Continuous Glucose Monitoring (CGM)

Things you will need for this section:
• MiniLink™
• Sensor
• Serter device
• Glucose LINK meter
• Veo™
**Continuous Glucose Monitoring (CGM)**

*Continuous Glucose Monitoring* provides better insights of low and high glucose levels and may help you have more control of your blood sugar levels.

- **Continuous Glucose Readings** provide continuous visibility of your current glucose level 24 hours a day
- **Trend Graphs** covering 3, 6, 12, and 24 hours give you a clearer picture of your glucose levels over time, allowing you to identify personal patterns
- **Alerts** provide you with early warning, making it possible to minimize oncoming low and high glucose levels

**Greater understanding with CGM**

With a full picture of your glucose patterns, you can make diabetes adjustments with confidence. When used with the MiniLink™ Transmitter and glucose sensor, the Veo™ monitors glucose 24 hours a day, with readings updated every five minutes (total of 288 readings):

*CGM measures glucose levels in interstitial fluid. Fingerstick confirmation is required before taking any action based on CGM data.*

**To turn the Sensor feature on, go to:**

HOME Screen > MAIN MENU > SENSOR > EDIT SETTINGS > Sensor: ON

After you have turned your Sensor feature on, enter your MiniLink™ transmitter ID:

HOME Screen > MAIN MENU > SENSOR > EDIT SETTINGS > Transmtr ID > SET TRANSMITTER ID

- Use the **▲** and **▼** buttons to select each digit and press **ACT** to enter. The seven-digit ID (or serial number) is located on the flat side of the MiniLink™ transmitter. Be sure to only select the numbers.

Refer to Chapters 8 & 9 in the Veo™ User Guide
Inserting the Sensor

Wash your hands thoroughly before starting.

You will need the following:

• A sensor at room temperature
• Serter device
• A bandage

Select a site for insertion free of lumps, bumps, bruises, tattoos, etc. Remember to cleanse and rotate sites. Insert the sensor at 45 to 60 degrees manually (by pinching the skin) or using the Sen-serter™ (on taut skin).

Please check with your healthcare professional about skin preparation.

WARNING

• Ensure that the sensor is fully inserted into the skin; make sure it is not dislodged while removing the Serter device or the introducer needle (see steps 8 and 9 on p. 50)
• Once inserted, wait 15 minutes for the sensor to be wetted with interstitial fluid

Refer to Chapters 8 & 9 in the Veo™ User Guide
Removing the Sensor from Packaging

1. Wash your hands. CAUTION: Healthcare professionals and caregivers should use universal precautions when handling the sensor.

2. Select an insertion site.

3. Clean the insertion site with alcohol. Let the area air dry.

4. Open the sensor package.

5. Remove the pedestal from the package. Place the pedestal on a flat surface (such as a table).

6. Push the Serter down onto the pedestal until the Serter sits flat on the table.

7.

8. To detach the Serter from the pedestal, place two fingers on the pedestal arms & slowly pull the Serter straight up. Do not detach the pedestal from the Serter in mid-air, as this might damage the sensor.

WARNING: Never point a loaded Serter toward any body part where insertion is not desired.

9. Place the base of the Serter flat against your insertion site.

WARNING: The Serter injects sensor upon button release.

NOTE: A second button push is required to remove Serter from sensor.

Refer to Chapters 8 & 9 in the Veo™ User Guide
To insert the sensor, complete the following four steps:

10a. Press the button in and then release.

10b. Wait 5 seconds to allow the adhesive time to stick to skin.

10c. Press and hold in the button.

10d. While holding the button in, slowly lift the Serter away from the skin.

11. Gently hold the base of the sensor against skin. Hold the needle housing at the top and slowly pull straight up, away from the skin.*

12. Straighten the sensor adhesive tape so that it lies flat against the skin.

13. While holding the sensor in place, gently lift the adhesive tab. Carefully remove the bottom piece of white paper from under the adhesive pad. Press the adhesive against the skin.

NOTE: For details on starting the sensor, consult the device user guide.

14. Before connecting the device, apply overtape. Do not cover the adhesive tab (1) or sensor connectors (2) with overtape (3).

NOTE: Overtape is not shown in steps 15–19.

15. Connect the device to the sensor.

Dispose of the needle housing in a sharps container after a single use. Do not clean or sterilize, and do not try to extract the needle from the needle housing.

Refer to Chapters 8 & 9 in the Veo User Guide
16. Cover the device with the sensor adhesive tab.

17. Cover the device with the sensor adhesive tab.

18. Insert the sensor into the device.

19. Secure the sensor with the adhesive tab.

**Safety Information**

Continuous glucose monitoring systems are limited to sale by or on the order of a physician and should only be used under the direction of a healthcare professional familiar with the risks associated with the use of these systems.

Continuous glucose monitoring systems are intended for monitoring interstitial glucose levels in persons with diabetes. These systems provide information regarding potential high and low glucose levels and can provide an indication of when patients should obtain a glucose reading using a home glucose meter. The information provided by continuous glucose monitoring systems is intended to supplement, not replace, readings from a home glucose meter. Patients should always confirm glucose level information provided by a continuous glucose monitoring system before making adjustments to diabetes therapy. A version of the product specially designed for children is indicated for patients age 7–17.

Insertion of a glucose sensor may cause bleeding or irritation at the insertion site. Consult a physician immediately if you experience significant pain or if you suspect that the site is infected.

Enlite™ sensor is not labeled for use with Medtronic CGMS® iPro™.

Enlite is a trademark, CGMS is a registered trademark and iPro is a trademark of Medtronic MiniMed, Inc.
GETTING CONTROL

Connecting the MiniLink™ Transmitter

After the glucose sensor is inserted and your settings are entered, wait 15 minutes before connecting the MiniLink™ transmitter to the glucose sensor.

Once 15 minutes have passed, remove the MiniLink™ transmitter from the charger and wait 1 minute.

When you remove the MiniLink™ transmitter from the charger, a green light will flash on the transmitter. This indicates it has enough battery power to last at least 3 days and is ready to be connected to the glucose sensor.

After 1 minute, connect the MiniLink™ transmitter to the glucose sensor. Do not connect if the site is bleeding or if there is blood on the glucose sensor connection point.

A green light on the MiniLink™ transmitter will begin flashing when a good connection exists and the glucose sensor is “wet” (note: it may take up to 20 seconds for the MiniLink™ transmitter to flash).

Optional: Adhesive can be used to tape down and secure your sensor and MiniLink™.

If the MiniLink™ transmitter does not flash when connected to the glucose sensor:

• Disconnect the transmitter and place it back in the charger to ensure it is fully charged.
• Remove the transmitter from the charger (when fully charged) and wait 1 minute. After 1 minute, connect the transmitter to the sensor and look for the flashing green light.
• If you still do not see the transmitter flash, your sensor may simply need more time to wet.

With the transmitter connected to the sensor, wait 1 to 2 hours and then perform the Sensor Start (see page 52).

Refer to Chapters 8 & 9 in the Veo™ User Guide
Starting a Sensor

Once the sensor is inserted under the skin:

- **WAIT** 15 minutes; this is the time required for the sensor to be wetted with interstitial fluid.
- **REMOVE** the MiniLink™ from its charger: it will flash green. Wait 1 minute.
- **CONNECT** the MiniLink™ to the sensor; the MiniLink™ will flash green again = ok
- **PRESS ACT** > Main Menu > Sensor > Link to Sensor > New Sensor
- **ACT** > SENSOR READY 2 HRS (initializing)

Perform the Sensor Start: HOME Screen > MAIN MENU > SENSOR > LINK TO SENSOR > New Sensor.

The system is ready approximately 2 hours after the MiniLink™ transmitter is connected to the glucose sensor and the green light flashes. This 2 hour period is called **initialization**.

Sensor Initialization

2 hours later the METER BG NOW alarm sounds; CLEAR the alarm: press **ESC** and then press **ACT**

- **TAKE** a blood glucose meter test and **ENTER** the value in the pump unless you have a linked meter. This reading should be entered within **5 minutes**.
- **ACT** > Main Menu > Sensor > Enter BG> Use † to enter blood glucose and then press **ACT**.
- Your CGM is displayed in about 15 minutes on the graph screen.

Refer to Chapters 8 & 9 in the Veo™ User Guide
Sensor Calibration

The glucose sensor reads the glucose content in the interstitial fluid under your skin. Calibration is a process to assist in determining the correct interstitial glucose values. The Veo™ will need a minimum of 2 and maximum of 4 BG measurements per day for calibration.

**WARNING**

- ALWAYS USE the same blood glucose meter.
- ALWAYS CALIBRATE when your blood glucose is stable.
- DO NOT CALIBRATE if your blood glucose is changing rapidly (e.g., soon after a meal; if an alert is present; or if trend arrows are present).
- REMEMBER TO CALIBRATE the sensor before going to bed so that you do not have to get up during the night (as long as your blood glucose level is stable).

**METER BG NOW alert** will sound when the system is ready for you to enter a meter BG value for initial calibration. Clear the alert and follow either of these steps to enter a meter BG value:

- HOME Screen > MAIN MENU > SENSOR > CALIBRATE > Enter BG

Refer to Chapters 8 & 9 in the Veo™ User Guide
Sensor Calibration (continued)

After you calibrate, it will take 10 to 15 minutes for sensor glucose readings to appear on your insulin pump screen.

1 calibration every 12 hours is the minimum required to continue to receive glucose sensor readings after the first day.

Calibrate 3 to 4 times a day thereafter for optimal glucose sensor accuracy.

If you get a CAL ERROR on your insulin pump, don’t worry. This is a feature of your system intended to ensure good performance.

• To avoid a CAL ERROR make sure you calibrate when your glucose level is least likely to be changing rapidly
• If you get a CAL ERROR, recalibrate if the blood glucose is stable, otherwise wait 15 to 30 minutes before calibrating again

Remember!
The best times to calibrate the glucose sensor are when your glucose levels are least likely to be changing rapidly. Think Before: before meals, before bedtime, before insulin. Also, you do not need to wait until you are alerted to calibrate. You can calibrate at any time when your glucose is stable.
Key CGM Alarms

Alarms

The pump sounds a signal to alert you. A message is displayed on the screen, followed by a second screen showing the action to take.

Press **ESC** then **ACT** to clear the alarm.

**Enter blood glucose for sensor calibration**

> Main Menu > Sensor > Enter BG > Use 🔄 to enter blood glucose and validate with **ACT**.

**No communication to pump from sensor**

Connect pump and sensor > Sensor > Link to Sensor > Find lost Sensor.

**Capillary blood glucose and sensor level are not the same, but don’t worry**

Check your glucose trend on your Veo. If your glucose trend is stable, check blood glucose again and enter the new blood glucose value. It is important to ensure your blood glucose is stable when calibrating.

**Appears after 2 consecutive cal errors**

Check transmitter. Replace sensor.

Refer to Chapters 8 & 9 in the Veo User Guide
### Key CGM Alarms (continued)

<table>
<thead>
<tr>
<th>Setting</th>
<th>What It Does</th>
<th>Commonly Used Settings</th>
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<tr>
<td>High Repeat</td>
<td>The amount of time until you are reminded that your sensor glucose is still above your high alert setting</td>
<td>2 to 3 hours</td>
</tr>
<tr>
<td>Low Repeat</td>
<td>The amount of time until you are reminded that your sensor glucose is still below your low alert setting</td>
<td>20 to 30 minutes</td>
</tr>
<tr>
<td>Cal Repeat</td>
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</tr>
<tr>
<td>Weak Signal</td>
<td>The amount of time before you are alerted that there is a weak signal</td>
<td>30 minutes</td>
</tr>
</tbody>
</table>

Refer to Chapters 8 & 9 in the Veo™ User Guide
Trend Graphs

Allows you to review 3-, 6-, 12- and 24-hour trend graphs of your glucose levels.

3-hour graph Press esc once to access the 3-hour graph. To see variations in your glucose levels over 5 minutes, press ▼ only to navigate the graph itself.

To access 6-, 12- and 24-hour graphs, once in the 3-hour graph, use the ▲ button.

6-hour graph To see variations in your glucose levels over 10 minutes, press ▼ button only to navigate the graph itself.

12-hour graph To see variations in your glucose levels over 10 minutes, press ▼ button only to navigate the graph itself.

24-hour graph To see variations in your glucose levels over 20 minutes, press ▼ button only to navigate the graph itself.

WARNING

• Glucose level indicates the level of your glucose in the interstitial fluid
• This reading does not always correspond exactly to the value obtained at the same time on your meter
• It is normal for there to be a difference between the sensor reading and the blood glucose meter reading
• Before any corrective action is taken, verify your blood glucose with a fingerstick reading
Understanding the Trend Graphs

All graphs show High and Low Glucose Limits lines, a continuous Sensor Glucose measurement line, a data section, and the cursor (flashing vertical line).

When you open any graph, the cursor flashes on the right edge of the graph. There are three marks on the cursor at 90, 180, and 270 mg/dl. The data section shows the most recent sensor glucose (SG) measurement or the reason why no measurement shows, and the time in the data section matches the time at the top of the screen.

When you move the cursor left to select an earlier SG measurement, the data section of the graph turns black, the word History appears here, and the time in the data section changes to show the time when the SG measurement was taken or the reason why no SG measurement shows for that time.

Refer to Chapters 8 & 9 in the Veo™ User Guide
Alerts

Allows you to set your customizable alerts.

**Glucose alerts** will sound if your glucose level reaches or goes beyond the target you set.

To turn the alert feature on:
Make sure that the **EDIT SETTINGS** screen is open.

**Turning glucose alerts on:**

**Step 1**
From the MAIN MENU choose ⬇ Sensor and then press **ACT**.

**Step 2**
From the SENSOR MENU choose ⬇ Edit Settings and then press **ACT**.

**Step 3**
From the EDIT SETTINGS menu choose ⬇ Glucose Alerts: Off and then press **ACT**.

**Step 4**
From the GLUCOSE ALERTS menu choose ⬇ “On” and then press **ACT**.

Refer to Chapters 8 & 9 in the Veo™ User Guide
Glucose Limits

Allows you to set the high and low Glucose Limits.

**Step 1**
From the MAIN MENU choose Sensor, then Edit Settings and then press ACT.

**Step 2**
From the EDIT SETTINGS menu choose Glucose Limits and then press ACT.

**Step 3**
To select your LOW GLUCOSE LIMIT, use to set a lower value between 39.6 and 399.6 mg/dl and then press ACT.

**Step 4**
Next, select your HIGH GLUCOSE LIMIT using to set a higher value between 39.6 and 399.6 mg/dl and then press ACT.

**Step 5**
The first pair of Glucose Limits is now set. If you do not need a second pair of Glucose Limits, press ACT.

Discuss when and how to set up Predictive Alerts and Rate of Change Alerts with your healthcare professional.

Refer to Chapters 8 & 9 in the Veo® User Guide
Low Glucose Suspend (LGS)

**Purpose**
- Helps people with the fear of hypoglycemia or hypoglycemia unawareness
- The LGS is a safety feature which could benefit all people who use it
- When LGS is turned on, it automatically alarms and halts insulin infusion when glucose levels reach a predetermined threshold
- Without human intervention, after a two-hour suspension, the pump resumes Basal insulin delivery
- Designed to reduce the severity of hypoglycemic episodes
- **Does NOT prevent** hypoglycemia

**Settings**
- **Settings**: On/Off
  - You need to turn on the LGS feature
- **Range**: 39.6 to 109.8 mg/dl
- **Suspends insulin infusion** for up to a 2 hour period
- If the sensor detects that glucose remains low 4 hours after resuming insulin delivery, the pump will resuspend insulin delivery
- Should you **clear the alert** and your glucose levels stay below the threshold set for the LGS, the LGS function will alarm and suspend the pump again depending on your Low Repeat Setting
  - The range is from 5 to 60 minutes and the default is 20 minutes
- All other sensor functions remain operational during insulin suspension

Refer to Chapters 8 & 9 in the Veo™ User Guide
How Low Glucose Suspend Works

You can interrupt Low Glucose Suspend at any time.

Refer to Chapters 8 & 9 in the Veo® User Guide
Medtronic CareLink® Data Management Software for You and Your Healthcare Professional

The final piece of the jigsaw puzzle

Medtronic CareLink® data management software is like the final piece of the jigsaw puzzle, giving you a full and clear picture of how your glucose levels are behaving. Medtronic CareLink® combines with the glucose sensor, glucose transmitter, glucose meter and Veo™ to create the only truly integrated diabetes technology system. Medtronic CareLink® Personal and Medtronic CareLink Pro™ combine to enhance the way you manage your diabetes, by organizing glucose information into easy-to-read charts, graphs and tables.

How to upload data into Medtronic CareLink® Personal Data Management Software:
1. Sign Up: Go to CareLink.minimed.com, click the “sign up now” button and register to use the system
2. Sign In: Access the system using your newly created username and password
3. Upload: Click the “upload” tab and follow the onscreen instructions

For you: Medtronic CareLink® Personal

• Allows you to upload information from your data management devices to a free and secure online database (CareLink.minimed.com)
• Helps you to understand the effects of insulin, carbohydrates and exercise on your glucose levels
• Maximizes your insights by identifying patterns and problems

Refer to CareLink.minimed.com and Chapter 11 in the Veo™ User Guide
For your healthcare professional: Medtronic CareLink® Pro

- Allows your healthcare professional (HCP) to access the information you have previously uploaded using CareLink® Personal
- Produces detailed reports that help your HCP to spot trends
- Helps your HCP to develop an advanced understanding of your diabetes and optimize management

1. MiniLink™ Transmitter and Continuous Glucose Sensor: wireless, integrated communication

2. Glucose Meter: wireless transmission, accurate information

3. Medronic CareLink® data management software: reports for better understanding and control

Refer to CareLink.minimed.com and Chapter 11 in the Veo™ User Guide
Personalizing Your Pump

Pumps with different colours

Paradigm Veo Deep Purple
Paradigm Veo Pretty in pink
Paradigm Veo Pacific Blue
Paradigm Veo Crystal Clear
Paradigm Veo Mystic Smoke
Safety Information

Insulin Pump Technology and MiniMed® Insulin Infusion Pumps

Always discuss with your clinician the benefits and potential risks with the device. Please review the product’s technical manual prior to use for detailed instructions and disclosure. **Indications for use:** The insulin pump is indicated for the continuous delivery of insulin, at set and variable rates, for the management of diabetes mellitus in persons requiring insulin. **Contraindications:** Insulin pump technology is not recommended for people who are unwilling or unable to perform a minimum of four blood glucose tests per day and to maintain contact with their healthcare professional. While features exist to help facilitate pump usage, Medtronic Diabetes does not recommend the use of this product by individuals whose vision or hearing does not allow for full recognition of the pump signals and alarms.

Medtronic Diabetes Continuous Glucose Monitoring System (CGM)

**Indications for use:** The CGM System is intended to continuously record interstitial glucose levels in persons with diabetes mellitus. This information is intended to supplement, not replace, blood glucose information obtained using standard home glucose-monitoring devices. A confirmatory fingerstick is required prior to taking action based on CGM information. The information collected by CGM may be downloaded and displayed on a computer and reviewed by you and your healthcare professional. This information may allow identification of patterns of glucose level excursions above or below the desired range, facilitating adjustments that may minimize these excursions. **Contraindications:** Successful operation of CGM requires adequate vision and hearing. Use of CGM is not recommended for people whose vision or hearing does not allow for full recognition of the monitor signals and alarms, and who do not have a caregiver who can perform this function for them.
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