

Medtronic

Engineering the extraordinary

Getting Started with MiniMed™ 780G System

User Training for current MiniMed™ 770G system users
updating to MiniMed™ 780G system

Module Two

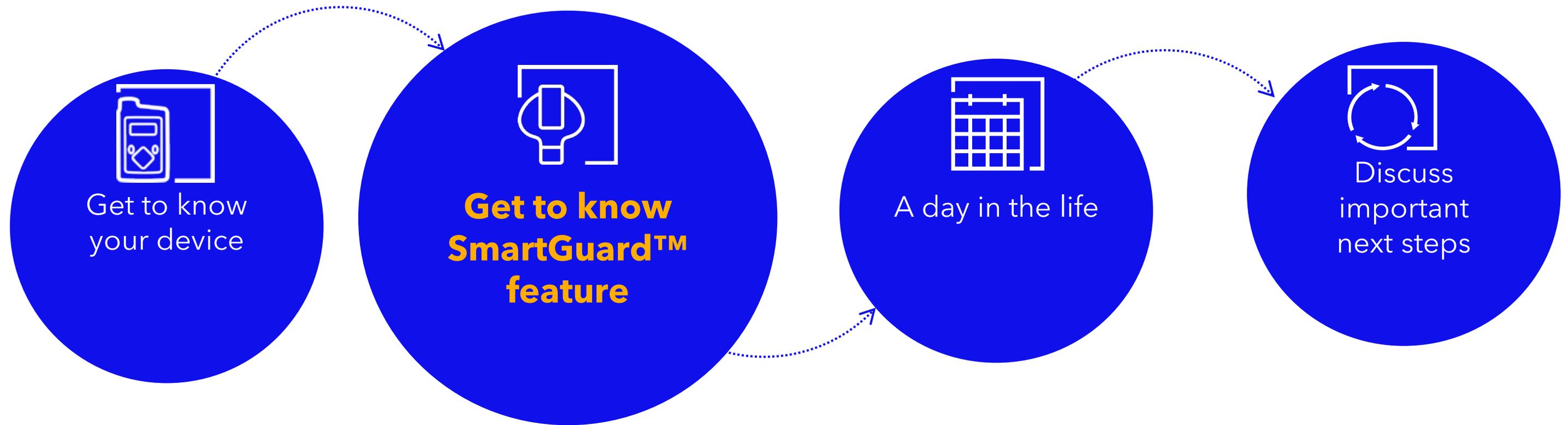
Components sold separately. Automated insulin delivery is made possible through combining Medtronic insulin pump and continuous glucose monitoring technology.

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WHAT WE WILL DO TODAY

Training Agenda



SMARTGUARD™ FEATURE HIGHLIGHTS

Let's have a look at what's new to MiniMed™ 780G system

NEW

SmartGuard™ Target Options

- 5.5 mmol/L (Default)
- 6.1 mmol/L
- 6.7 mmol/L

NEW

Auto Correction Bolus

- Corrects to 6.7mmol/L
- Not active during Temp Target
- Default is "on"
- Included in active insulin

CORRECTION BOLUS TARGET

New target

CORRECTION BOLUS TARGET

NOW
6.7mmol/L

DESCRIPTION

- Lowered the target from 8.3 mmol/L to 6.7 mmol/L
- You will get stronger corrections so you can get to your target levels more quickly



GET TO KNOW SMARTGUARD™ FEATURE

Auto Corrections



WHAT

SmartGuard™ may deliver auto correction boluses, if required.

The Auto Correction target is set at 6.7 mmol/L

WHEN

Auto Correction can be delivered **every five minutes when:**

- Maximum Auto Basal delivery is reached and
- SG is above 6.7 mmol/L

HOW

The system uses your Active insulin to determine when an auto correction bolus is needed, and auto correction boluses count toward active insulin totals.



- When Temp Target is set, auto correction boluses are not delivered
- Auto Corrections can be disabled in the SmartGuard™ menu

Here is a video of SmartGuard™ Auto Corrections in action



MINIMUM AND MAXIMUM DELIVERY

Longer time before a BG required alert occurs

MIN DELIVERY

NOW
up to 6 hours

DESCRIPTION:

- Algorithm reviews insulin levels at 3 hours and it may extend minimum delivery for another 3 hours.



MAX DELIVERY

NOW
7 hours

DESCRIPTION:

- Your pump can deliver insulin at maximum delivery for up to 7 hours when required



PROLONGED HIGH ALERTS

Longer time before a BG required alert occurs

PROLONGED HIGH ALERTS

NOW

Alert when more than 3 hours above 13.9mmol/L. No SmartGuard™ feature exit

DESCRIPTION:

- The MM780G will give you a high alert if your glucose has been 13.9mmol/L or higher for more than 3 hours
- It will not directly exit from auto mode



BASELINE INSULIN DELIVERY

Longer time before a SmartGuard™ exit occurs

BASELINE INSULIN DELIVERY

(FORMALLY KNOWN AS SAFE BASAL)
TIMEOUT

NOW
4 hours

DESCRIPTION

- The grey shield has been replaced with a screen showing an action required plus a countdown timer in bottom left corner before an exit occurs
- Baseline insulin delivery is based on insulin delivery history
- Allows more time before an exit occurs



✓
**FEWER
SMARTGUARD™
FEATURE EXITS**

✓
**FEWER
ALERTS**

SENSOR UNDERREAD

Longer time before a BG required alert occurs

SENSOR UNDERREAD

NOW
2 HOURS

DESCRIPTION

- This alert occurs if there is a difference between the SG and the glucose level that the algorithm is predicting
- Now extended to 2 hours



INTELLIGENT CALIBRATION

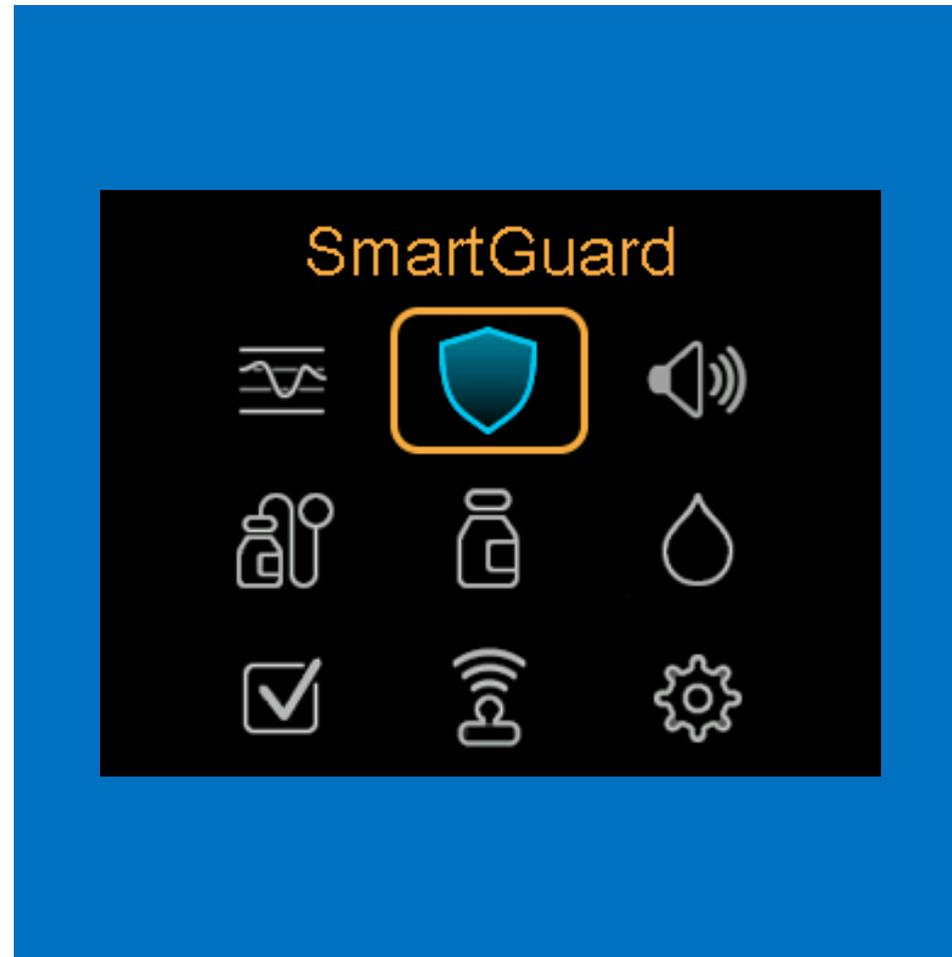
INTELLIGENT CALIBRATION

DESCRIPTION

- Every time you confirm a BG in the pump, the system will use that to calibrate the sensor
- This means you don't have to decide if a particular BG reading is appropriate to calibrate the sensor

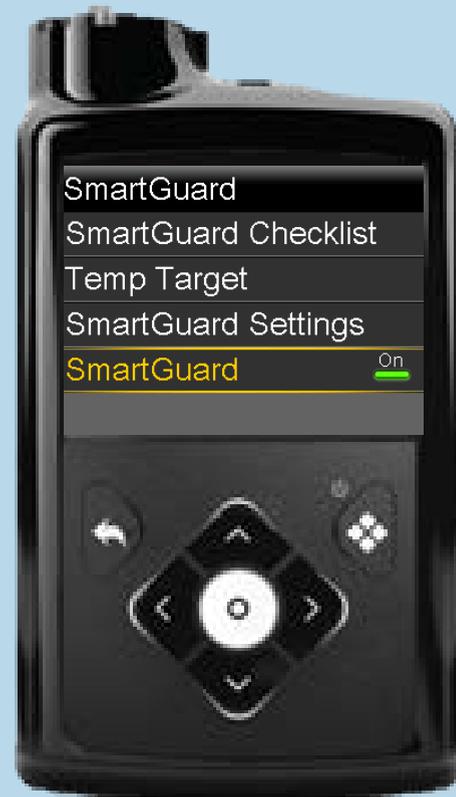


SMARTGUARD™ MENU



GET TO KNOW SMARTGUARD™ FEATURE

Menu and Settings



Go to the SmartGuard™ menu, scroll down and change to On



Go to SmartGuard™ settings, program & Save

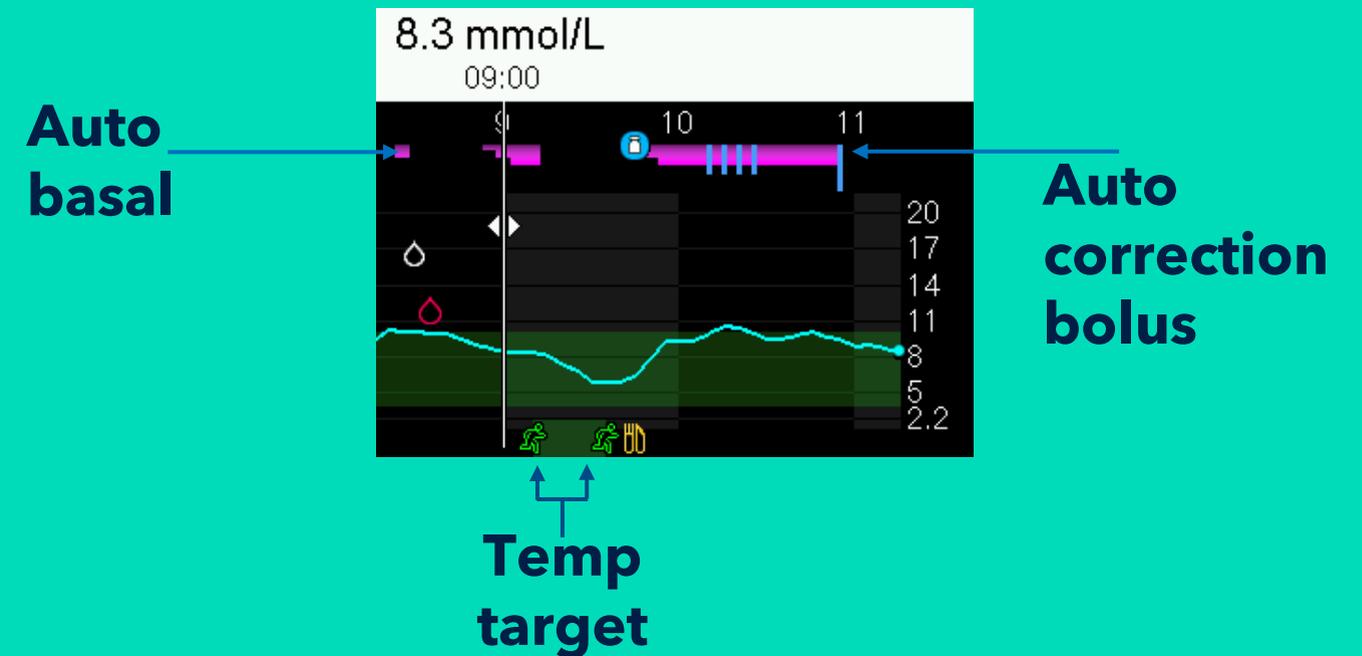
SMARTGUARD™ MENU

Home Screen and Sensor Graph

SmartGuard™ Home screen

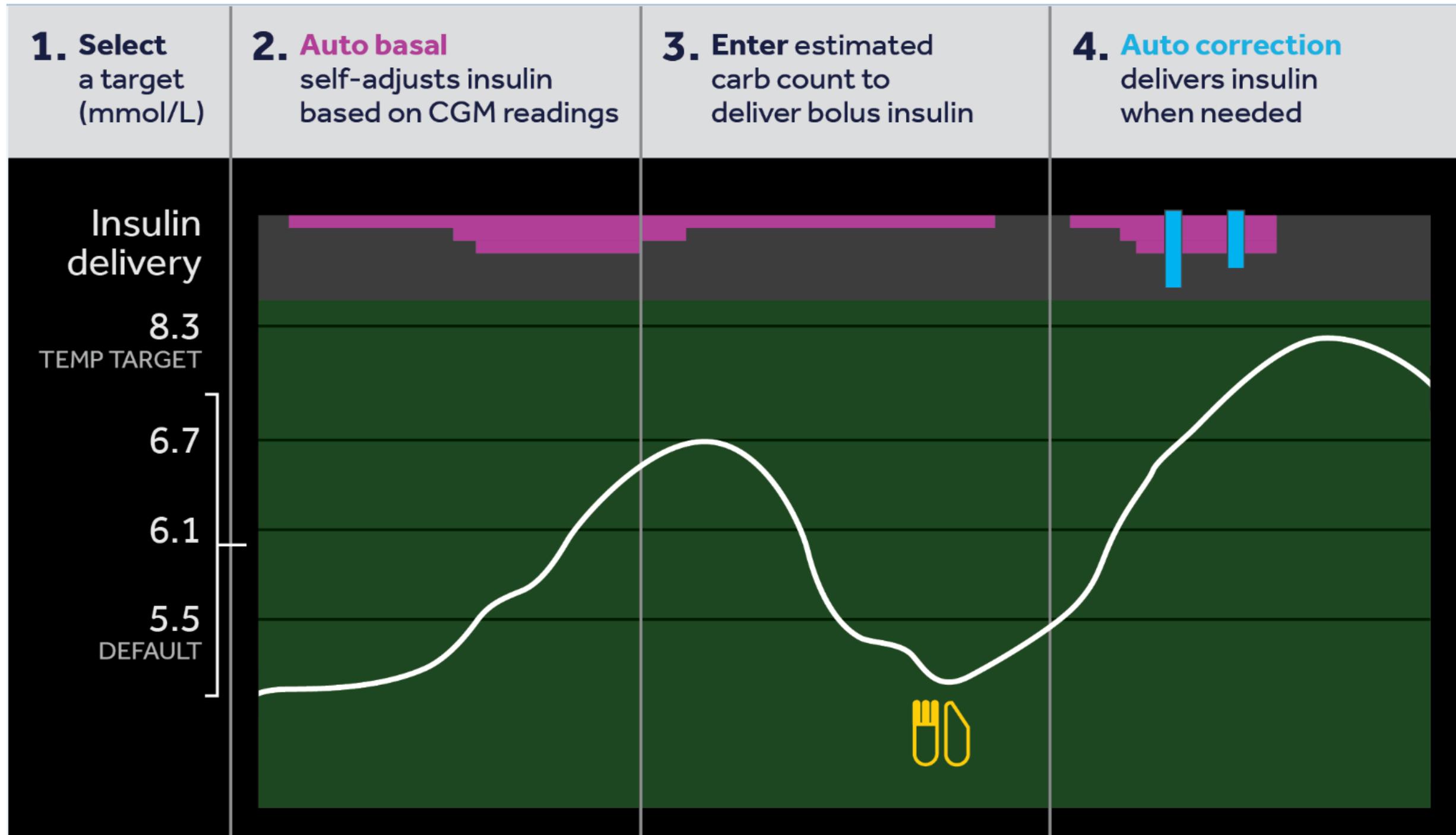


SmartGuard™ sensor graph



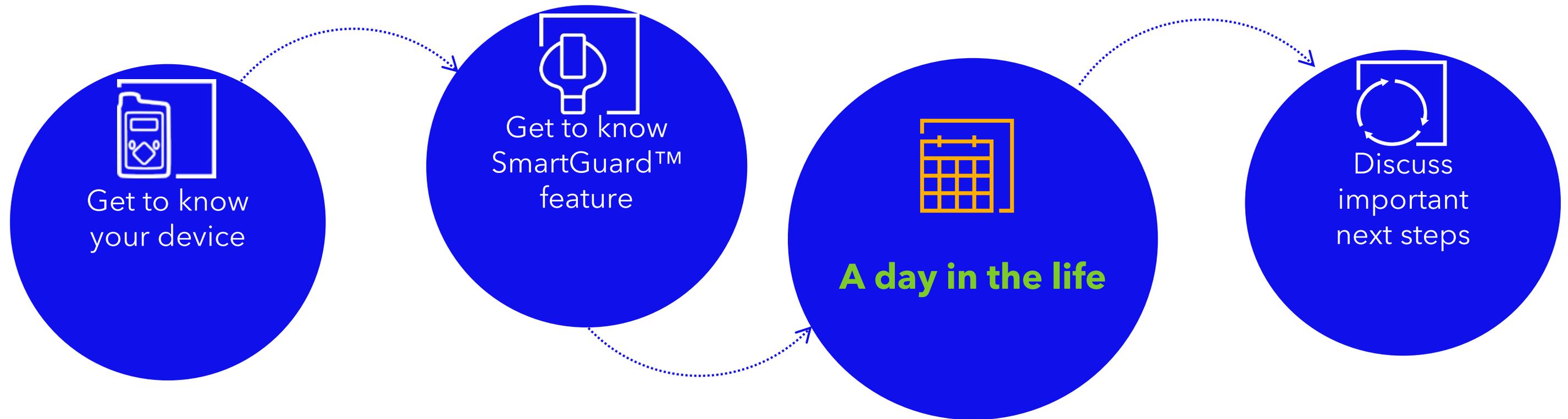
From the Home screen or the menu, press  to view the sensor graph

HOW DOES THE SMARTGUARD™ FEATURE WORK?



WHAT WILL WE DO NEXT?

Training Agenda

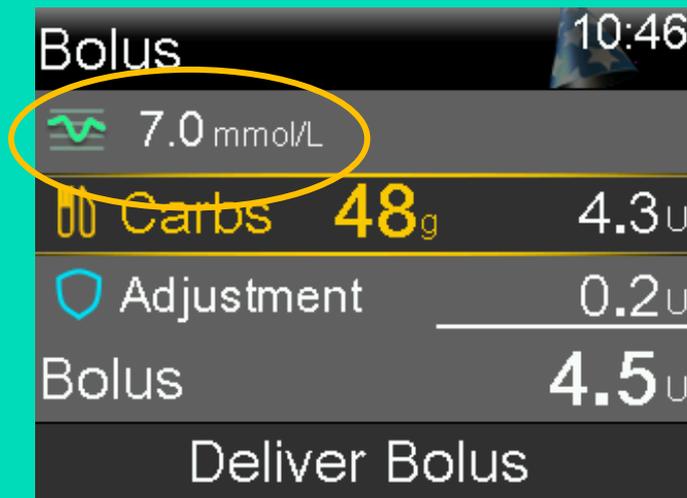


SMARTGUARD™ TECHNOLOGY

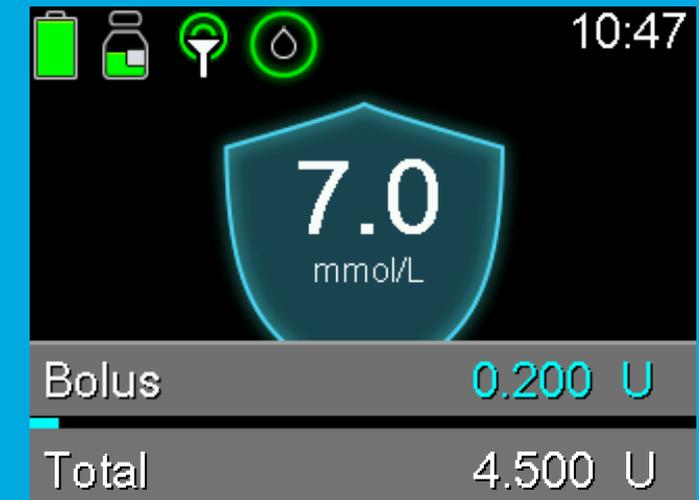
SmartGuard™ Bolus Feature



 **SHORTCUT**
Press the **DOWN**
arrow for shortcut
to the Bolus™ feature



Your system may adjust your bolus to help you stay in range.



SMARTGUARD™ BOLUS ADJUSTMENT

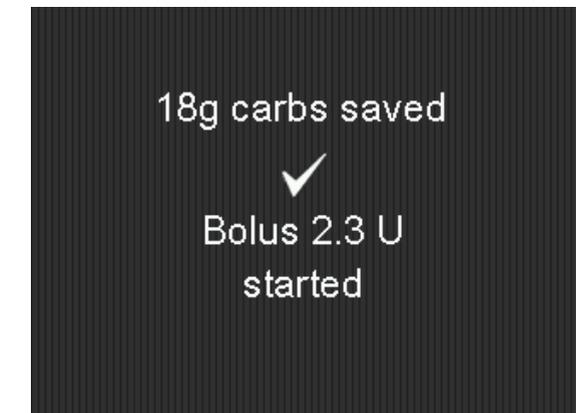
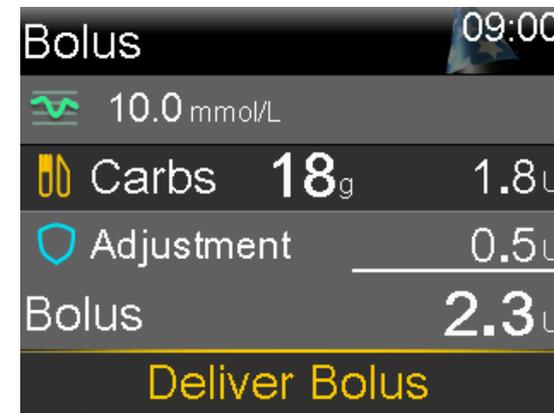
Adjustment higher

Bolus Adjustment

The SmartGuard™ feature calculates a bolus based on the current BG or SG reading and carbs.

- The bolus is adjusted higher if a correction bolus is calculated based on high glucose and low active insulin

Example Screens



Correction bolus plus meal bolus

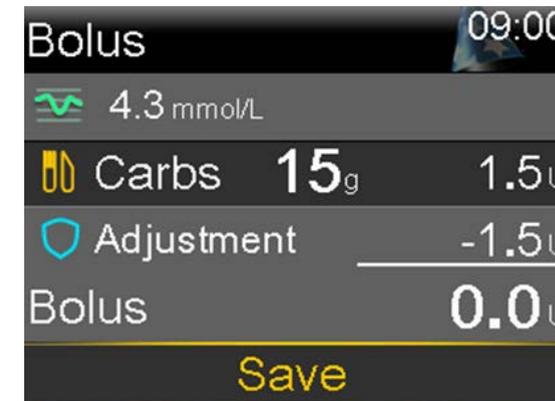
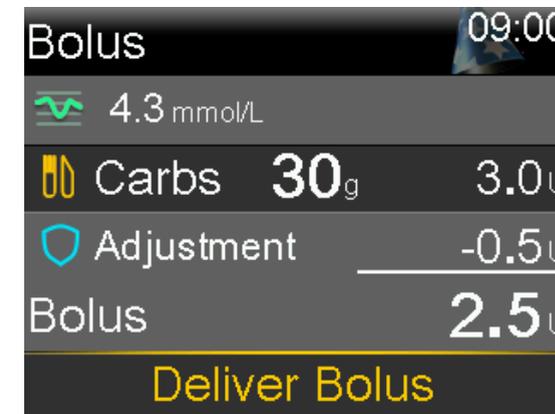
SMARTGUARD™ BOLUS ADJUSTMENT

Adjustment Lower

Bolus Adjustment

- You may be surprised that a bolus is smaller than you expect.
 - The bolus is adjusted lower and even down to zero if SmartGuard™ predicts that there is a risk of a low glucose after the meal or correction
- The carbs entered in the pump are saved for future bolus adjustment calculations

Example Screens



Safe Meal Bolus: The meal bolus is reduced if a low is predicted

MINIMED™ 780G SYSTEM SMARTGUARD™ FEATURE

WHEN SHOULD YOU USE THE BG METER READINGS INSTEAD OF SG READINGS?

In the following situations, use BG meter readings instead of SG readings to make treatment decisions:

- You are concerned that the SG readings are incorrect or your SG reading is different to how you feel
- A BG required or Calibrate Now alert has appeared
- The most recent SG reading is unavailable
- You have taken paracetamol

Your HCP will discuss with you when it is best to check your sensor glucose with a BG meter reading.

SMARTGUARD™ TECHNOLOGY

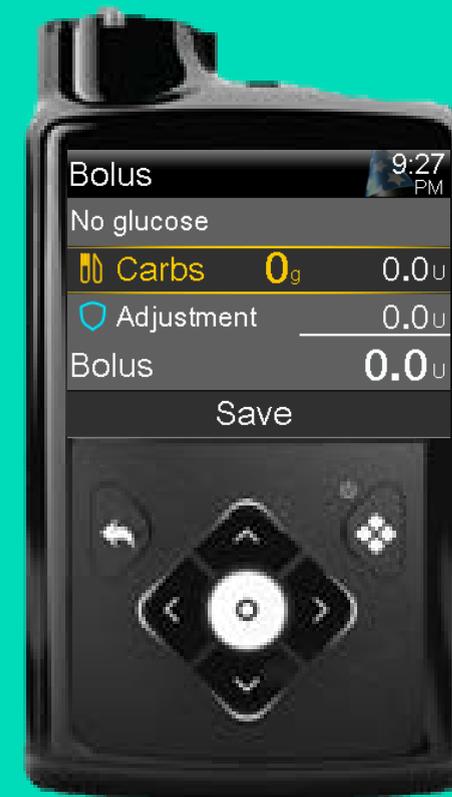
Bolusing when no SG available

SmartGuard™ Bolus screen - BG RECOMMENDED



The **BG recommended message** indicates that the system recommends taking a BG for the Bolus screen to calculate a correction bolus amount.

SmartGuard™ Bolus screen-NO BG OR SG



The **No glucose message** indicates that neither a BG nor a SG reading is available for the Bolus screen to calculate a correction bolus.

SMARTGUARD™ TECHNOLOGY

Temp Target



WHAT

A temporary fixed target of 8.3mmol/L is available to use any time you may want to have less insulin, such as exercise

HOW

Set the duration of time for Temp target

WHEN

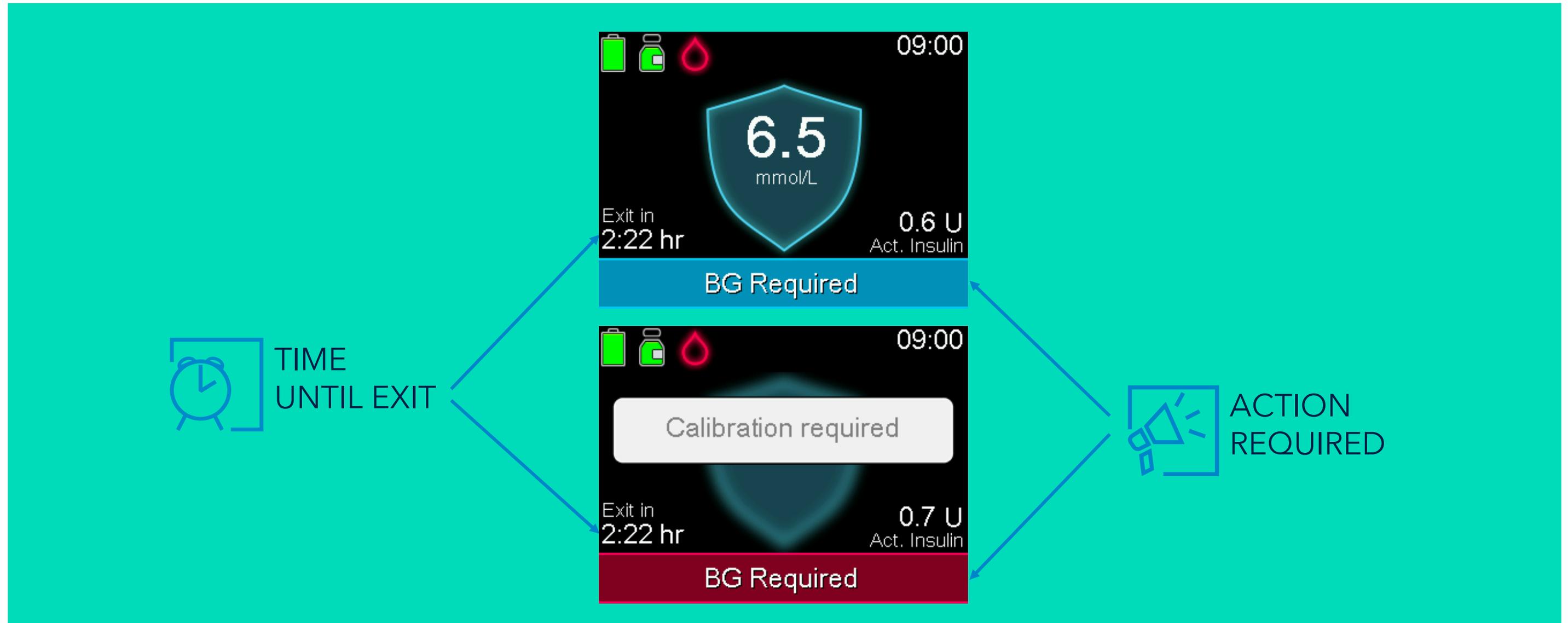
Consider starting Temp Target 1-2 hours before you begin exercise



When Temp target is set, Auto correction boluses are not delivered

SMARTGUARD™ TECHNOLOGY

Staying in SmartGuard™ Feature



SMARTGUARD™ TECHNOLOGY

What happens with a SmartGuard™ Exit?

Suspend feature back ON



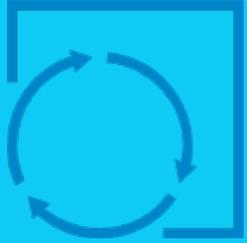
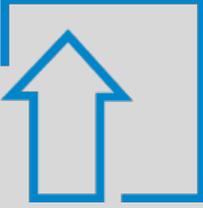
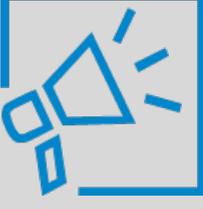
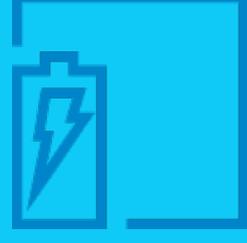
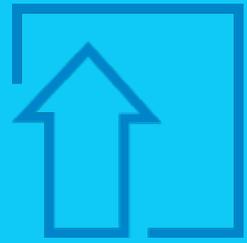
No shield

Current basal rate in manual mode

 ACTION REQUIRED

A BG Will be required to re-enter SmartGuard™ feature when exited

WHAT TO EXPECT ON SmartGuard™ Technology

EVERY DAY		EVERY WEEK	
	CALIBRATE with a BG 2-3 times/day and BOLUS for carbs 10-15minutes before meals		CHANGE <ul style="list-style-type: none"> • Infusion sets every 2-3 days • Sensor weekly
	UPLOAD to CareLink™ software automatically using the MiniMed™ Mobile app		
	RESPOND promptly to alerts and alarms		RECHARGE transmitter between each sensor change
	FOLLOW self-care guidelines for insulin pump therapy		Manual UPLOAD to CareLink™ software with the blue adapter if not using the MiniMed™ Mobile app

SIDE BY SIDE COMPARISON

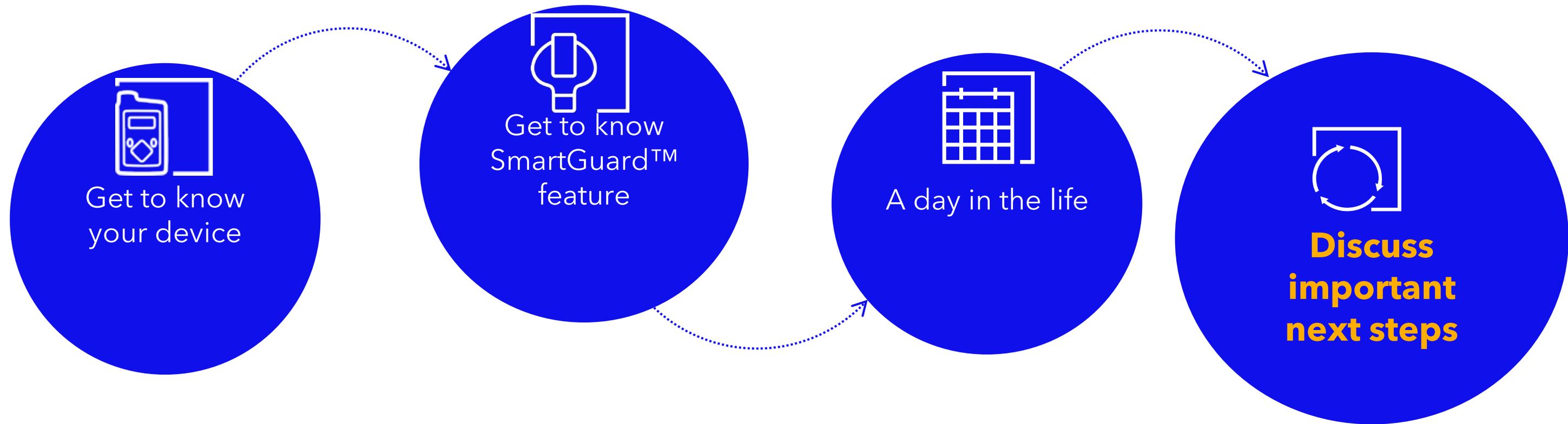
	MiniMed™ 780G System	MiniMed™ 770G System
AUTO BASAL TARGET OPTIONS	5.5 mmol/L, 6.1 mmol/L, 6.7 mmol/L	6.7 mmol/L
CORRECTION BOLUS TARGETS	6.7 mmol/L	8.3 mmol/L
GLUCOSE FOR MEAL CORRECTIONS	<ul style="list-style-type: none"> • SG populates in when in SmartGuard™ • BG required for Manual Mode 	BG required for meals and corrections
AUTO CORRECTION BOLUSES	Auto correction boluses available with SG	No Auto correction boluses
SAFE BASAL	<ul style="list-style-type: none"> • Action required banner and “time until exit” • Exits after 4 hours if “Action Required” not taken 	<ul style="list-style-type: none"> • Safe Basal indicated by grey shield • Exits after 90 min of Safe basal

SIDE BY SIDE COMPARISON

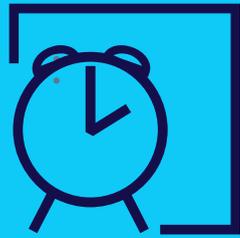
	MiniMed™ 780G System	MiniMed™ 770G System
MAX DELIVERY TIME OUT	Expanded to 7 hours	Was 4 hours
MIN DELIVERY TIME OUT	Expanded to 3-6 hours	Was 2.5 hours
SUSPEND ON LOW & SUSPEND BEFORE LOW	Automatically turn on when SmartGuard™ feature exits, if either feature was on before	Must be turned back on after Auto Mode exit
FIXED HIGH ALERT	Prolonged SG 13.9mmol/L over >3 hours Both Manual Mode & SmartGuard™ mode	None but Prolonged High Direct Exit
FIXED SEVERE LOW ALERT	3.0 mmol/L	2.8 mmol/L

WHAT WE WILL DO TODAY

Training Agenda



AFTER THE SOFTWARE UPDATE, When can you begin the SmartGuard™ feature?



WHEN CAN YOU BEGIN THE SMARTGUARD™ FEATURE?

- The MiniMed™ 780G system requires a **5-hour warm-up period in Manual Mode** before starting the SmartGuard™ feature when transitioning from a MiniMed™ 770G system.
- **Turn on Suspend before low or Suspend on low** during the 5-hour warm-up period while in Manual Mode.

Key concepts to consider:

- Be comfortable using CGM and bolusing before meals prior to starting the SmartGuard™ feature.
- Follow all healthcare provider instructions.

A woman with long hair in a ponytail, wearing a dark jacket, stands in profile looking out over a mountain range at sunset. The sky is a mix of blue and orange, with a few clouds. The mountains are rugged and have some snow or light-colored patches.

Thank you
for completing
Part Two of your training

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