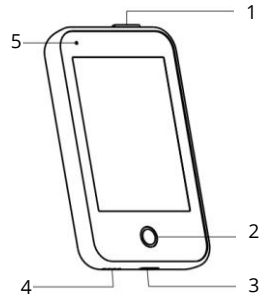


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Insulin Pump System Overview

The Personal Diabetes Manager (PDM)

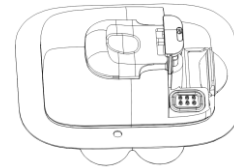


1. Power button
2. Home Key (Software Key)
3. Charging Port
4. Sound Hole
5. Indicator light

Pump Base



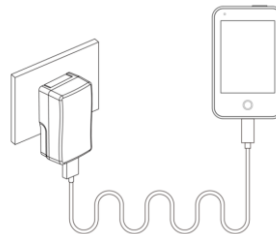
Reservoir Patch



- Your ultra-thin Patch Pump is composed of a reusable Pump Base (MD0201) and a disposable Reservoir Patch (MD0200) which stores up to 200 U of insulin and lasts for up to 3 days.
- The Pump Base stores delivery settings and sends data to the PDM via Bluetooth Low Energy (communication range 4 meters without blocking).
- The Patch Pump (Base and Patch connected) is waterproof at 8 feet (2.5 meters) for 60 minutes (IP28).
- Store the Pump Base and Reservoir Patch at temperatures between -10°C (14°F) and 55°C (131°F).

Charge PDM

The PDM requires an AC adapter with an output of DC 5.0V

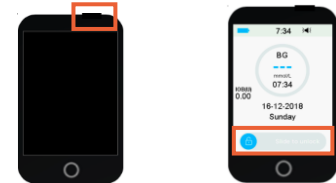


- Fully charged
- Charging
- Not charging
- Battery low
- Battery empty

PDM Settings

1. Turn on/off the PDM

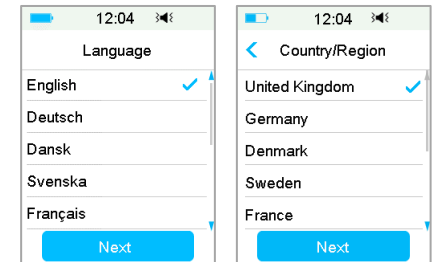
- **Turn-on** - Long-press the power button, a green light will flash.
- **Turn-off** - Long-press the power button for about 2 seconds, then slide to power off. Or long-press the power button for about 8 seconds.



2. Wake the PDM

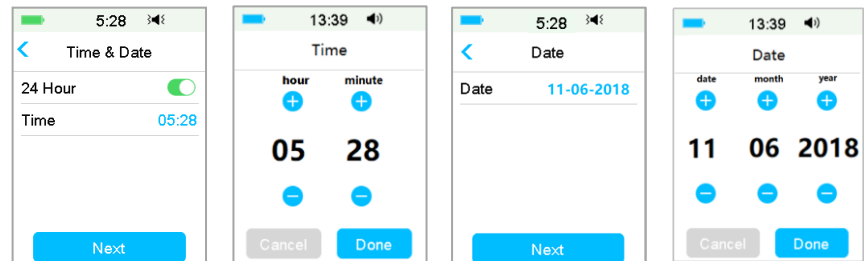
When the screen goes black, press the power button and then slide to unlock

3. Select language and country



4. Set time and date

Note: You can only change the date and time when there is no activated Reservoir Patch.



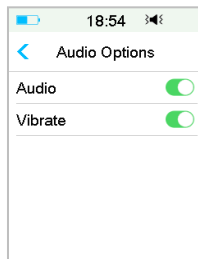
5. Bolus Calculator

Refer to Page 5

6. Set audio options

Main Menu → Settings → General → Audio Options

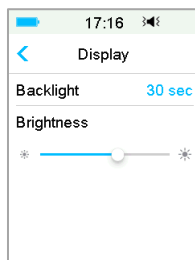
If you set the audio option to Audio off /Vibrate off, your PDM only vibrates when a serious Alarm occurs.



7. Set display settings

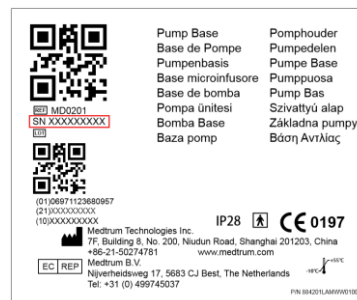
Main Menu → Settings → General → Display

It is recommended for new users to set backlight time as 2 minutes



8. Find Pump Base SN

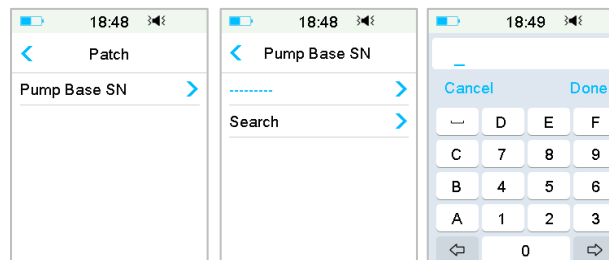
You can find the Pump Base SN on the product box or on the back of the Pump Base.



9. Enter Pump Base SN

Main Menu → Patch → Pump Base SN

Tap ----- to enter SN manually



Basal Settings

Main Menu → Settings → Insulin Pump → Basal Setup

1. Max Basal

Tap the Max Basal rate to edit it

2. Edit Basal Pattern

1. Tap Edit Basal, then select the Pattern to edit it

2. Set basal rate

- Tap blue U/H field to set the Basal rate.
- You can set a basal rate between 0 and the Max Basal Rate with an increment of 0.05 U/H.

3. Add Time Segment

- Tap +Add Time Segment to add a new segment.
- You can set up to 48 segments for each day.

4. Delete Time Segment

- Slide to left on each segment, tap Delete. The start time of next segment will be adjusted
- Slide on segment back to right to cancel deleting

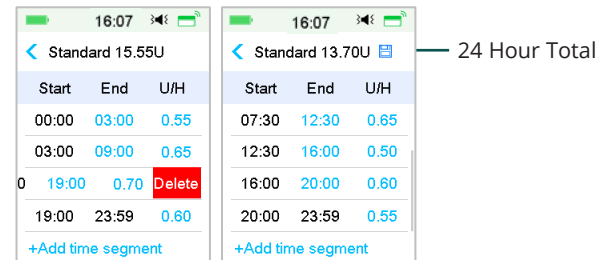
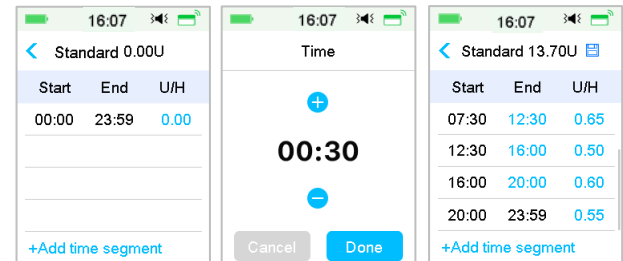
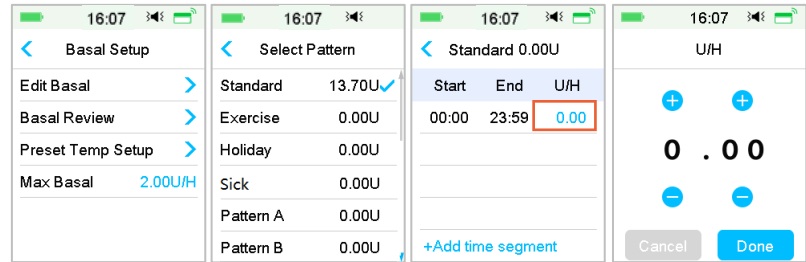
5. Scroll up and down to review all segments

6. Tap  to save the settings

Note: Recheck all the numbers you entered to make sure that they are the intended values.

3. Select a Basal Pattern

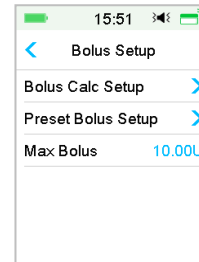
Main Menu → Basal → Select Pattern



Main Menu → Settings → Insulin Pump → Bolus Setup

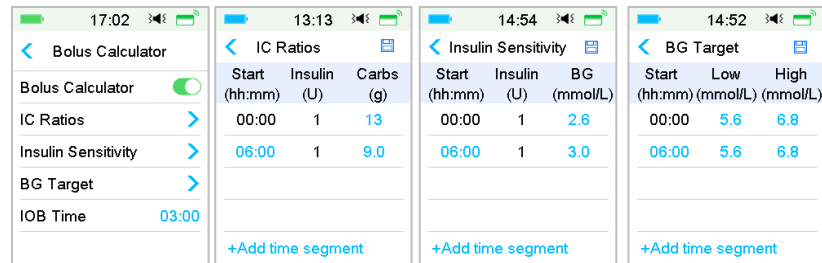
1. Max Bolus

Tap the Max Bolus to edit it

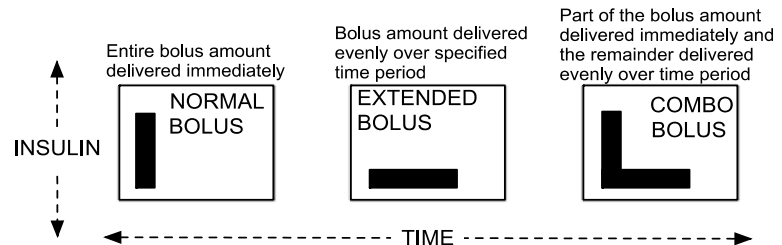


2. Set up the Bolus Calculator

- Turn on/off the Bolus Calculator
- Set IC ratios
- Set Insulin Sensitivity
- Set BG target
- Set IOB Time (Active Insulin Time)



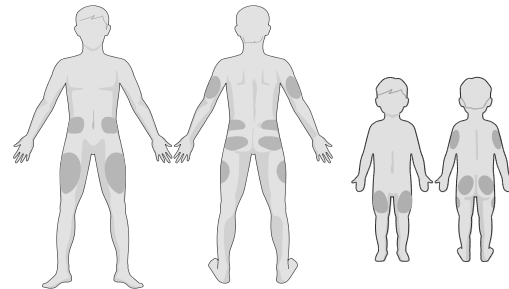
3. Normal, Extended and Combo Bolus



Start a new Patch

1 Select the infusion site

- Clean, less hair, no sweat, uncovered, enough fat (at least 5mm thick), away from navel.
- A new infusion site should be at least 2.5 cm (1 inch) away from the last site.
- If you choose an infusion site on your abdomen, back or buttocks, apply the Patch horizontally.
- If you choose an infusion site on your upper arm or thigh, apply the Patch vertically.



Note: Please pay attention to the location of the Sensor site and Patch site so that there is little communication interruption.

2 Prepare the infusion site

- Wash your hands with soap and water.
- Clean the infusion site with an alcohol wipe to enhance adhesion.
- Let the skin air dry completely.

3 Connect Pump Base and Reservoir Patch

[Main Menu](#) → [Patch](#) → [New Patch](#)

Insert the hooks and connector on the Reservoir Patch all the way into the slots of the Pump Base.



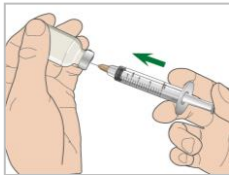
The pump will beep four times

5 Fill the New Reservoir Patch

With the help of your healthcare provider, decide on the amount of insulin (70 U - 200 U) you need to insert into the Reservoir Patch.

Warning: Do not inject air into the fill port. Doing so may result in unintended or interrupted insulin delivery.

1. Push air into the vial.
2. Fill the syringe with insulin.



Remove air

3. Keep the syringe vertical to the Patch Pump, and the needle inside the fill port. Retract the plunger to remove air bubbles.



4. Push the plunger until you see a drop of insulin at the tip of the needle



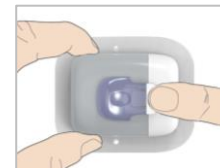
5. Slowly fill the Reservoir with insulin



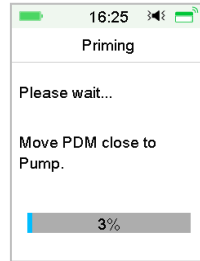
6 Prime the Pump



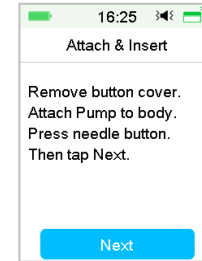
Press needle button
Do not start priming before the needle button is pressed.



Start a new Patch

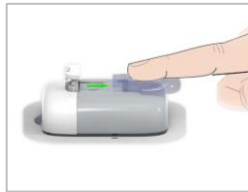


Priming takes about 3 minutes.

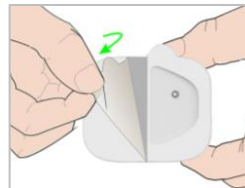


7 Place the Patch

1. Remove the safety lock



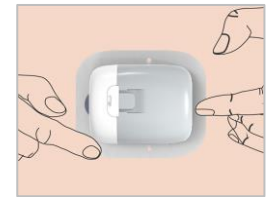
2. Peel off the adhesive liners



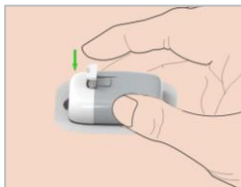
3. Press the Pump against the skin



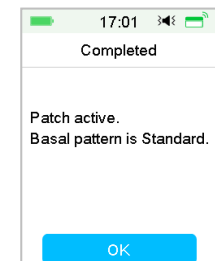
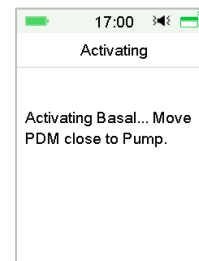
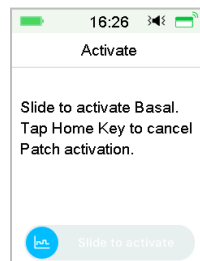
4. Run your finger around the entire edge of the adhesive pad



5. Press the needle button with one quick motion to completely insert the needle

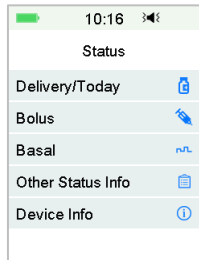
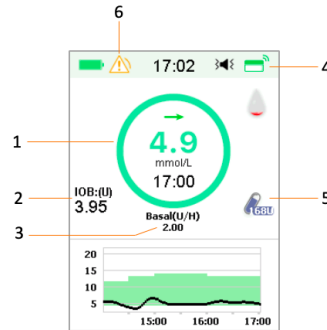


8 Start Insulin Delivery



Home Screen

1. Insulin Delivery Status
2. IOB
3. Delivery details
4. Pump RF Signal
5. Remaining insulin in Reservoir
6. Alarm/Alert

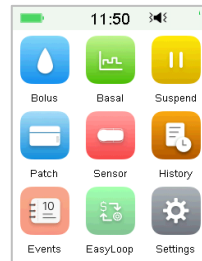


Pump Status

Slide on the Home Screen from left to right to go to status screen

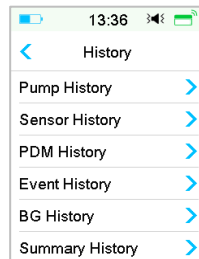
Main Menu

Slide on the Home Screen from right to left to go to main menu



History

Main Menu → History



Delivery Status

Icon	Shape and Color	Description
	Grey ring	Grey ring indicates that there is no activated Pump.
	Green ring	Green ring represents the basal delivery.
	Green and dark green ring	Green ring with dark green part represents Temp Basal, the dark green part indicates the progress of Temp Basal delivery.
	Blue and dark blue ring	Blue ring represents the Normal Bolus, the dark blue part indicates the progress of delivery.
	Purple and dark purple ring	Purple ring represents the extend Bolus, the deep purple part indicates the progress of delivery.
	Red ring	Red ring represents the delivery suspend status.

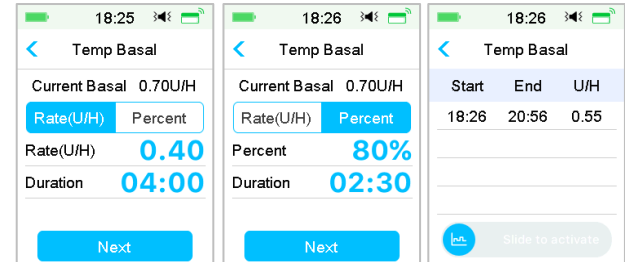
Temp Basal

Activate a Temp Basal

Main Menu → Basal → Temp Basal

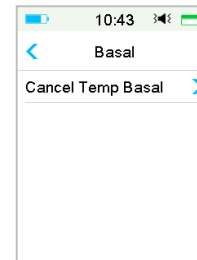
With a Temp Basal you can adjust your Basal rate for a short time

Select a Basal type, rate or percent and duration



Cancel a Temp Basal

Main Menu → Basal → Cancel Temp Basal

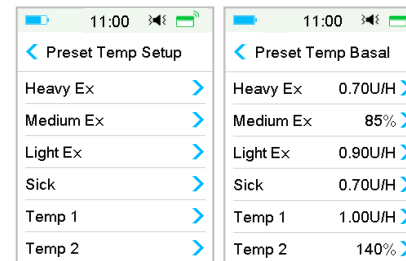


Set Preset Temp Basal

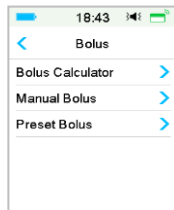
Main Menu → Settings → Insulin Pump → Basal Setup → Preset Temp Setup

Activate a Preset Temp Basal

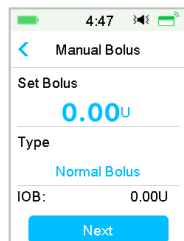
Main Menu → Basal → Preset Temp Basal



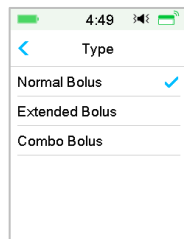
1 Main Menu → Bolus → Manual bolus



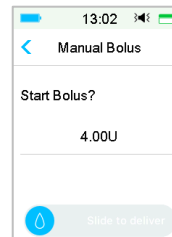
2 Set Bolus dose



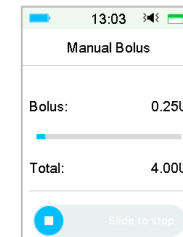
3 Set Bolus type



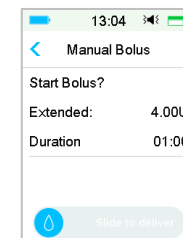
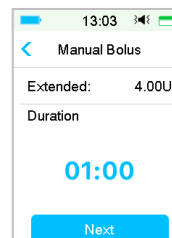
Normal Bolus



4 Slide to deliver

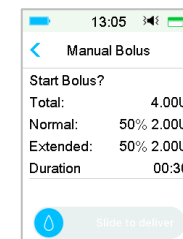
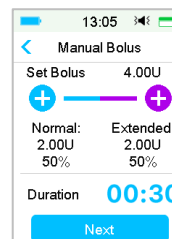


Extended Bolus Set duration



Combo Bolus

Tap blue/purple plus sign to set proportion of Normal part and Extended part
Set duration



Food Bolus Calculator

1 Main Menu → Bolus → Bolus Calculator

18:43

< Bolus

Bolus Calculator >

Manual Bolus >

Preset Bolus >

2 Enter BG or Carb, or both

13:07

< Bolus Calculator

BG: 0.30U

7.8 mmol/L

Carbs: 4.40U

40 g

Next

3 Set Bolus dose and Bolus type

13:07

< Bolus Calculator

Set Bolus: 4.70 U

Type

Normal Bolus

Suggested: 4.70U

IOB: 0.60U

Next

Normal Bolus

13:08

< Bolus Calculator

Start Bolus?

4.70U

Slide to deliver

Extended Bolus

Set duration

13:12

< Bolus Calculator

Extended: 4.70U

Duration

00:30

Next

Combo Bolus

Tap blue/purple plus sign to set proportion of Normal part and Extended part

Set duration

15:40

< Bolus Calculator

Set Bolus 4.70U

+ — +

Normal: 2.35U 50%

Extended: 2.35U 50%

Duration 00:30

Next

4 Slide to deliver

13:08

Bolus Calculator

Bolus: 0.30U

Total: 4.70U

Slide to stop

13:12

< Bolus Calculator

Start Bolus?

Extended: 4.70U

Duration 00:30

Slide to deliver

15:41

< Bolus Calculator

Start Bolus?

Total: 4.70U

Normal: 50% 2.35U

Extended: 50% 2.35U

Duration 00:30

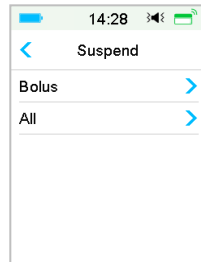
Slide to deliver

Suspend & Resume

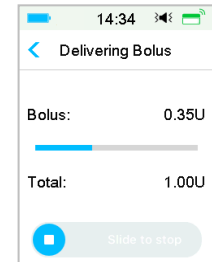
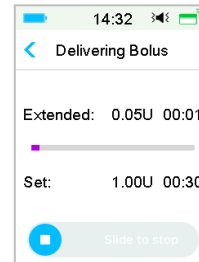
Suspend

Main Menu → Suspend

A Bolus is being delivered

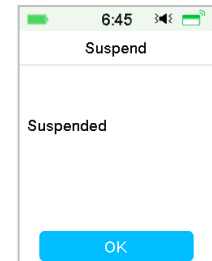
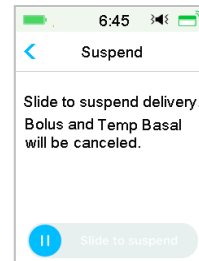
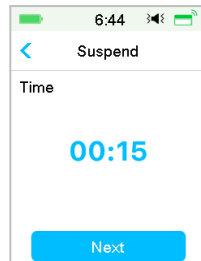


Bolus



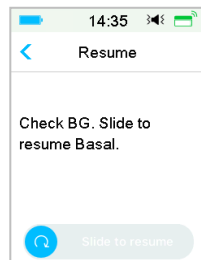
All

No Bolus is being delivered



Resume

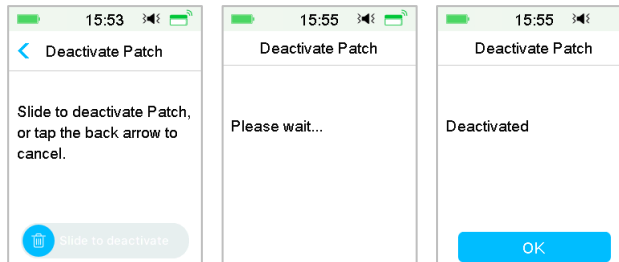
Main Menu → Resume



Deactivate the Patch

1 Deactivate the Patch

Menu → Patch → Deactivate Patch



2 Remove the Patch

- After the Reservoir Patch is deactivated, retract the needle with our release tool.
- Gently remove the entire Patch Pump. Use a medical adhesive remover or baby oil if necessary.
- Hold the both ends of the Pump Base and pull up the Pump Base to remove it from the old Reservoir Patch.
- Discard the old Reservoir Patch according to your local waste disposal regulations. Do NOT discard your Pump Base. It is reusable.



Warning: Once the Patch is removed from the skin, do not attempt to press the needle button again. Doing so will result in injury.

Alert



PDM Message	Actions to Take
END OF SUSPEND	Check BG. Resume basal delivery if necessary.
LOW RESERVOIR	Change Patch soon.
PATCH EXP IN 1 HOUR	Change Patch soon.
PATCH BATTERY LOW	Change Reservoir Patch soon.

Alarm (Medium Priority)



PDM Message	Actions to Take
PATCH EXPIRED	Change Patch. Check blood glucose.
EMPTY RESERVOIR	Change Patch. Check blood glucose.
EXCEEDS MAX TDD	Change Patch. Check blood glucose. Check history.

Alarm (High Priority)



PDM Message	Actions to Take
OCCCLUSION DETECTED	Change Patch. Check blood glucose.
PATCH ERROR	Change Patch. Check blood glucose.
PUMP BASE ERROR	Remove Pump. Contact customer support Check blood glucose.

Emergency Kit

Keep an emergency kit with you at all times to make sure you have necessary supplies. Inform a family member, co-worker, and/or friend where this emergency kit is kept.

This kit should include but is not limited to:

- Fast-acting glucose tablets or gel
- BG monitoring supplies
- Urine ketone testing supplies
- Insulin syringe
- Rapid-acting U-100 insulin
- Extra Medtrum 2.0 mL Reservoir Patches
- Power Bank
- Instructions from your healthcare provider about how much insulin to inject if pump delivery is interrupted
- Alcohol wipes
- Glucagon emergency kit
- Emergency contact phone numbers
- If traveling, a copy of a letter from your healthcare provider for airline security

Your Personal Settings

Max Basal Rate: _____ U/H

Basal Pattern Name: _____

Start Time	Rate (U/H)	Start Time	Rate (U/H)
:		:	
:		:	
:		:	
:		:	
:		:	
:		:	
:		:	

Basal Pattern Name: _____

Start Time	Rate (U/H)	Start Time	Rate (U/H)
:		:	
:		:	
:		:	
:		:	
:		:	
:		:	
:		:	

Name	Rate	Duration
Heavy Exercise	_____ % or _____ U/H	:
Medium Exercise	_____ % or _____ U/H	:
Light Exercise	_____ % or _____ U/H	:
Sick	_____ % or _____ U/H	:
Temp 1	_____ % or _____ U/H	:
Temp 2	_____ % or _____ U/H	:
Temp 3	_____ % or _____ U/H	:

Your Personal Settings

I:C Ratio	
Start Time	I:C (g Carb)
:	1 U : _____ g
:	1 U : _____ g
:	1 U : _____ g
:	1 U : _____ g
:	1 U : _____ g
:	1 U : _____ g
:	1 U : _____ g

Insulin Sensitivity	
Start Time	ISF (mmol/L)
:	1 U : _____ mmol/L
:	1 U : _____ mmol/L
:	1 U : _____ mmol/L
:	1 U : _____ mmol/L
:	1 U : _____ mmol/L
:	1 U : _____ mmol/L
:	1 U : _____ mmol/L

BG Target (mmol/L)		
Start Time	Low Limit	High Limit
:		
:		
:		
:		
:		
:		
:		

Max Bolus: _____ U

Active Insulin Time: _____ : _____

Caution

Labelling requirements

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Information to user

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF warning for Portable device

The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.

FCC ID

Pump Base (MD0201) FCC ID: 2AARU-MD0201
PDM (FM-018) FCC ID: 2AARU-FM018



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This product complies with Directive 93/42/EEC
(MDD) and Directive 2014/53/EU (RED).

SY-201
IM881160WW
348644
Version:1.00

Simplifying Diabetes

Medtrum

TouchCare[®] Insulin Pump System

Quick Start Guide (mmol/L)



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