Important information about the mylife™ YpsoPump® insulin pump system.

More freedom. More confidence. With mylife™.

YPSOMED
SELFCARE SOLUTIONS

Contents

Read the User Guide

The instructions for use in this Caregiver Guide are only valid for the following mylife™ YpsoPump® article: REF 700009424.

You find the mylife™ YpsoPump® reference number on the device and on the Starter Kit label.

Important contact information

As a caregiver for a child with diabetes, you want to make sure that you are doing the right thing and providing proper care. This guide is intended to be used in conjunction with the child's diabetes management plan, input from the parents/guardians as well as diabetes team and the mylife™ YpsoPump® User Guide. Refer to the mylife™ YpsoPump® User Guide for complete information on how to use the system and for description on all related warnings and alarms. The User Guide is available online: www.mylife-diabetescare.co.uk/ypsopump-userguide

Whether you are a parent, grandparent, school nurse, daycare provider or any secondary caregiver for a child using the mylife™ YpsoPump® insulin pump, this guide will lead you through some of the key functions that you may need to perform.
In an emergency, call the child's diabetes team as well as the emergency contact.

mylife™ YpsoPump® user
First name / last name: _____ Date of birth: _____

Diabetes team
Hospital: _____

First name / last name healthcare professional: _____

Phone: _____

Emergency contacts
First name / last name: _____ First name / last name: _____

Relationship: _____ Relationship: _____

Phone: _____ Phone: _____

Glucose monitoring
Target range: _____ to _____ mmol/L Sensor brand: _____

Routine testing times: _____

Can the child perform a glucose test themselves? ☐ Yes ☐ No

Tips for caregivers
School and everyday life

Nursery/School/Sport
As a caregiver, you can discuss with the child whether they want to talk about their diabetes to the class. Perhaps they could deliver a presentation to the class about their therapy and what it means to have diabetes.

To make sure they have what they need at school, it is important that you check they have emergency supplies somewhere in the school. This should contain spare therapy items, suitable food for treating hypoglycaemia, and their parents'/guardians' phone number in case of emergency.

If a child notices that they have a low blood glucose level, they should immediately eat or drink some glucose, and measure their blood glucose level afterwards. Low blood glucose levels can impact concentration.

Before sports lessons, the child must measure their blood glucose level. They should always have fast and slow acting carbohydrates in their sports bag. Depending on their blood glucose, you can help them decide what they should do before the lesson starts.

If their blood glucose is low, they should eat or drink first (juice, fruit, bread, snack bar etc.) and then measure their blood glucose level again after a period of time determined by their HCP.

If the child does not feel well during the lesson and think they might be suffering from hypoglycaemia, they should stop exercising immediately, measure their blood glucose and if they find it to be low, treat the low blood sugar in accordance with advice given to them by their diabetes team.

School trips and overnight stays
A school trip is similar to an overnight stay. There are a few things which need to be kept in mind.

As a caregiver, it makes sense to discuss in advance with the child and their parents/guardians what they can do on their own and how you can support them. Blood glucose measurement times, insulin delivery and, if necessary, carbohydrate counting should be discussed in advance. Whilst exercising in any way, the child may need less insulin.

If necessary, discuss high and low blood glucose levels, their treatments, how and when it's appropriate to give a pen injection and who to contact in case of emergency. The child should always have have an emergency supply which includes the telephone details of who to contact in an emergency.

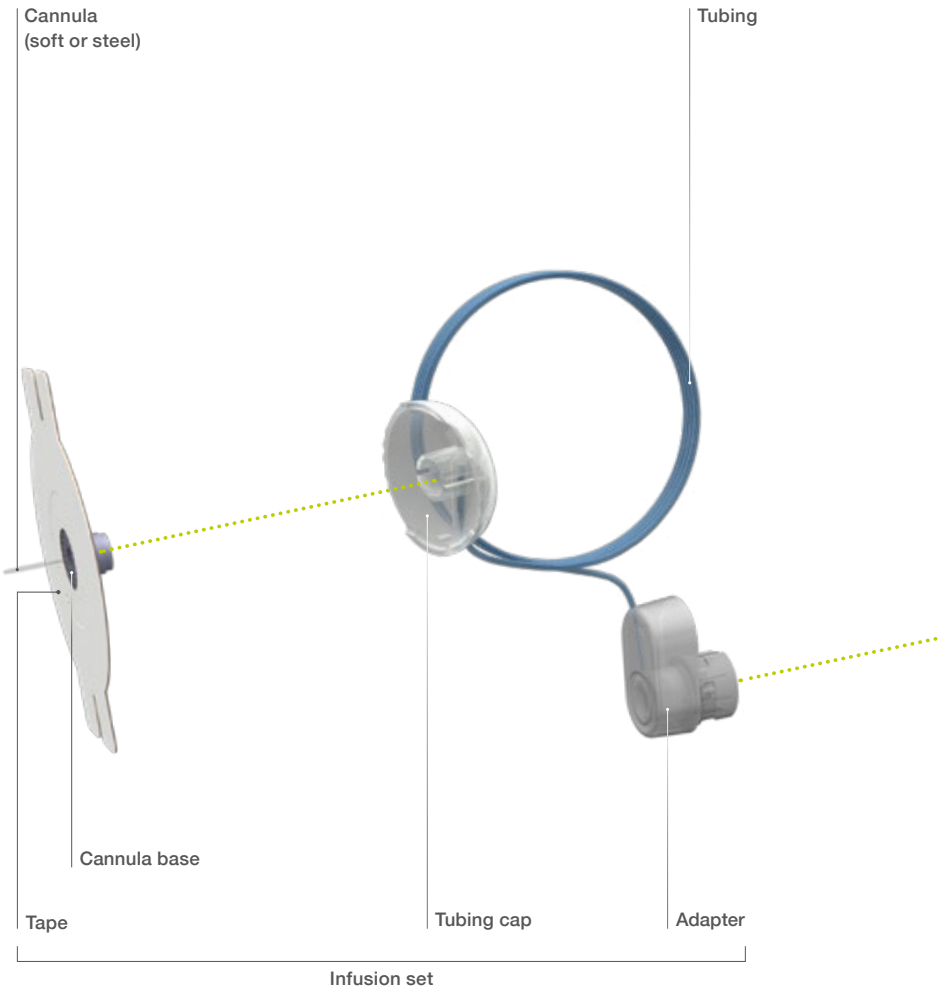
Birthday parties
It's important that children with diabetes participate in everything that their friends do. Eating cake, playing football, climbing, having fun etc. Nonetheless, there are a few things which need to be kept in mind.

As a caregiver, you should discuss the child's diabetes either with the child themselves or with their parents/guardians. That way, you can find out the best way to support the child.

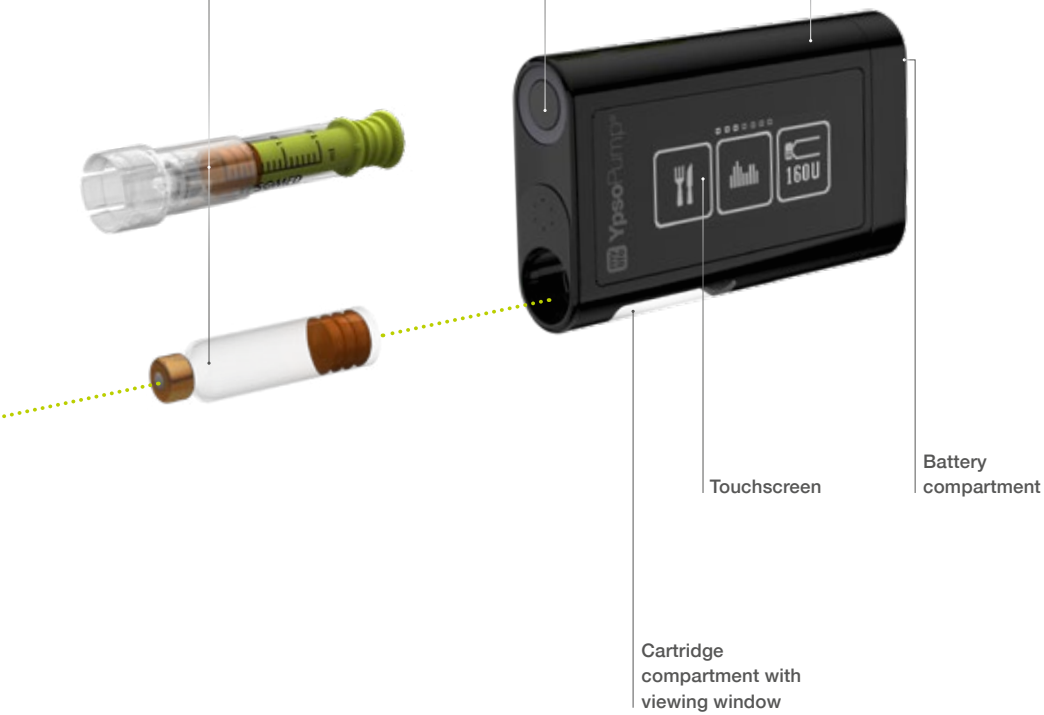
The child should always have emergency supplies as well as a note of who to contact in case of emergency. While playing the child may need less insulin.

If trips or activities are planned, it makes sense to discuss this with the child and their parents/guardians. You can talk about the activity itself, what time it will be, how this will affect their insulin, when they should check their blood glucose etc.

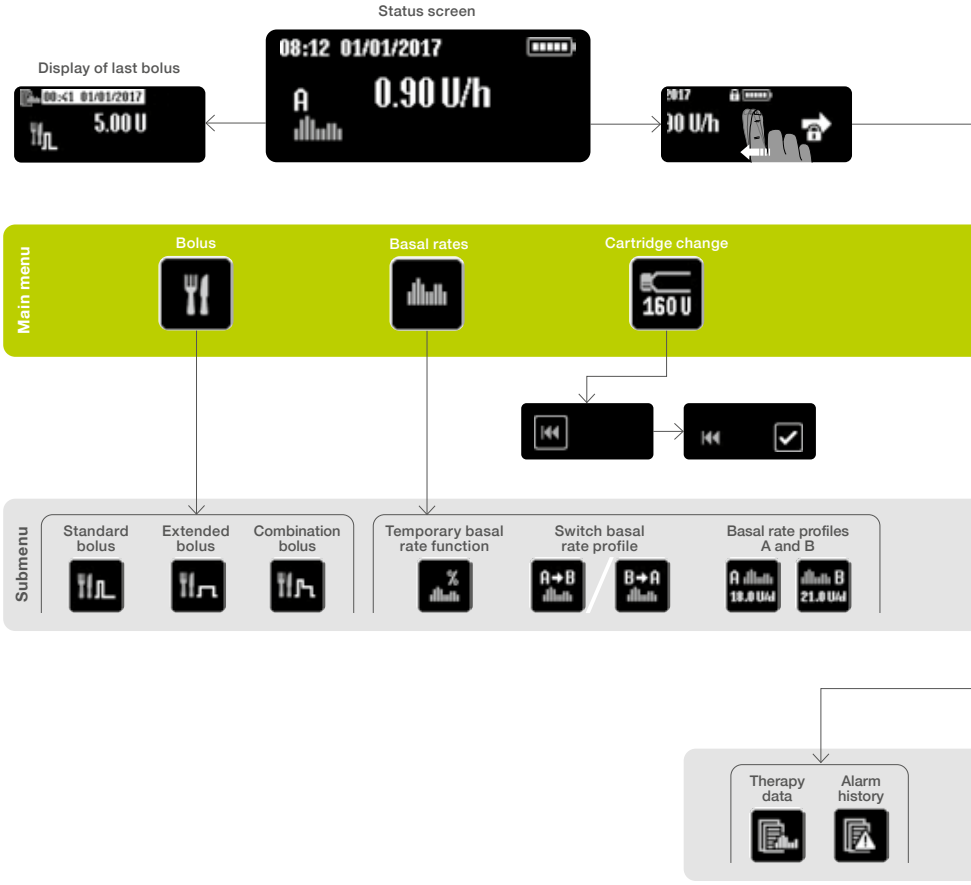
mylife™ YpsoPump® system overview



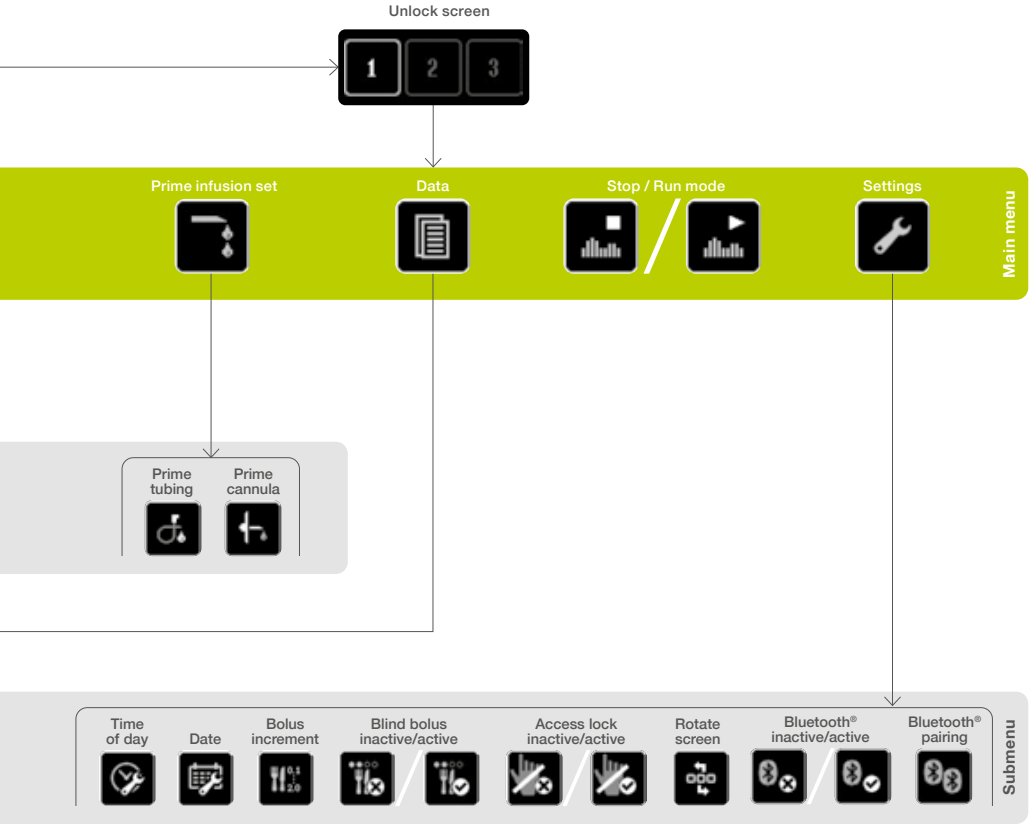
reddot design award
winner 2016



Menu map



The mylife™ YpsoPump® imagery in this Caregiver Guide is for illustrative purposes only and should not be considered suggestions for user settings.


Unlock screen
1 2 3
Prime infusion set
Data
Stop / Run mode
Settings
Main menu
Prime tubing
Prime cannula
Time of day
Date
Bolus increment
Blind bolus inactive/active
Access lock inactive/active
Rotate screen
Bluetooth® inactive/active
Bluetooth® pairing
Submenu

Operation
Function button

Function button
The mylife™ YpsoPump® has a function button. It is located next to the opening of the cartridge compartment on the side.

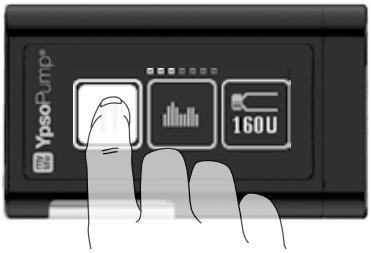
The function button has two different functionalities:
- Short press (for up to 0.8 seconds)
- Long press (for at least 2 seconds until the mylife™ YpsoPump® vibrates)

With the function button, you can:
- switch the screen on and off.
- programme a blind bolus.
- return to the status screen.

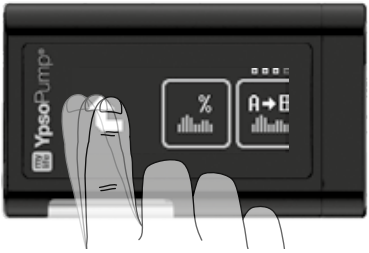
Operation
Navigation

Touchscreen

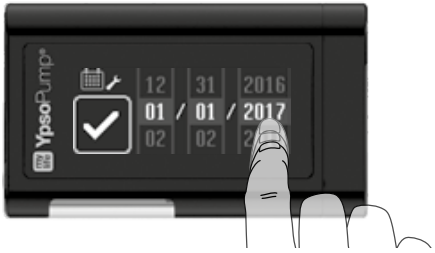
The mylife™ YpsoPump® has a touchscreen (referred to below as the screen). You control the screen by using your finger to tap icons and values or swipe through menus and values. The screen of the mylife™ YpsoPump® may only be controlled with one finger. Do not use any objects to operate the screen.



Tap an icon with your finger to select it.



By swiping to the left or to the right, you can select the different main menu and submenu icons.

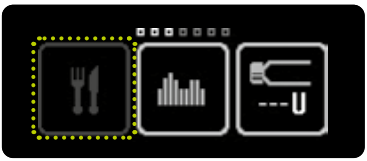


Using your finger, swipe up or down through the values displayed in order to scroll up or down.

You can also tap the upper or lower value directly in order to increase or reduce it by one unit each time.

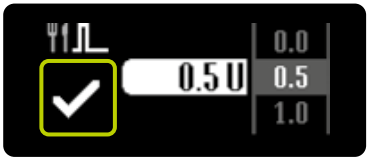
Active and inactive icons

Active icons are bright. That means the function is available and can be selected with your finger.



Inactive icons are displayed in a darker grey. This means the function is not available and cannot be selected with your finger.

Confirmation and cancellation

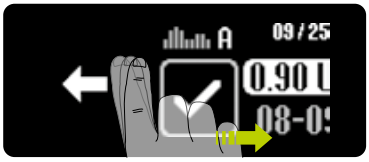


To confirm a value or select a function, tap ☑.

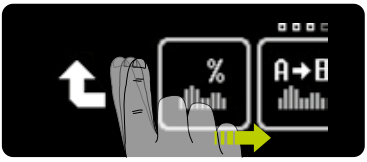
To cancel a procedure or function, tap ☒. Additionally, bolus cancellation always has to be confirmed by tapping ☑.

Back function

If you have selected a function or value by mistake or made a wrong setting, you can go back at any time by swiping to the right once until ← or ↰ appears.



If ← appears, you go one step back.



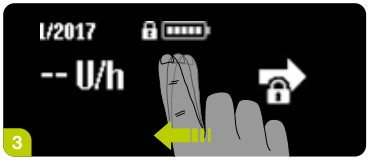
If ↰ appears, you move up one menu level.

Operation
User interface

Unlock screen

1/6: The status screen of the mylife™ YpsoPump® is switched on and off by pressing the function button (short button press).

2/6: The mylife™ YpsoPump® has a screen lock. It is visualised by a padlock icon at the top right of the screen, next to the battery charge indicator.



3/6: Swipe to the left to unlock the status screen and the main menu.

4/6: Tap the currently active number successively to unlock the status screen.

5/6: When the mylife™ YpsoPump® has been unlocked successfully, you are in the main menu. Swipe to the left to access all available menu items.

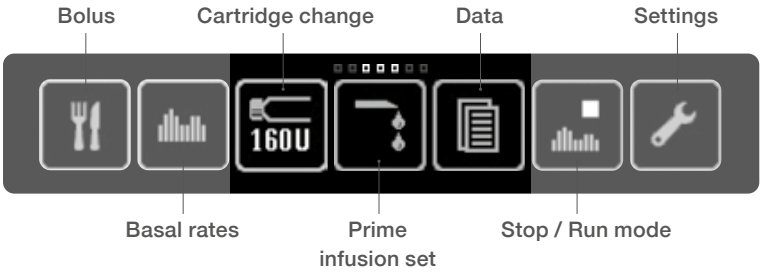
6/6: Swipe to the right to access the unlocked status screen (no padlock icon).

Make sure that the pump screen is switched off before storing the mylife™ YpsoPump® in a trouser pocket or in a carrying system in order to avoid unintentional operation of the pump.

Overview of the main menu

On the screen, you will see three menu icons at a time. To see the other menu icons, swipe to the left across the screen with your finger.

The navigation bar above the icons shows you the number of menu icons available. The small squares highlighted in white indicate where you currently are in the main menu. When operating the mylife™ YpsoPump®, always make sure you use the various functions properly.



If the mylife™ YpsoPump® is not operated on the status screen, the screen switches off after 20 seconds and the screen lock is activated. If the mylife™ YpsoPump® is not operated in the main menu or in a submenu, the screen switches off after two minutes and the screen lock is activated. Any changes that have not been saved, are lost.

Access lock

The access lock function offers access protection.

When the access lock function is activated, only the following mylife™ YpsoPump® functions can be operated:

- Data: View therapy data and alarm history.
- Settings: Rotate screen.
- Settings: Deactivate access lock function.

The following mylife™ YpsoPump® functions cannot be operated when the access lock function is activated:

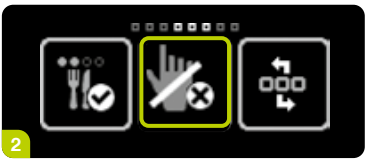
- All types of bolus delivery
- Temporary basal rate function
- Programming and switching basal rate profiles
- Returning threaded rod for cartridge change
- Priming infusion set and cannula
- Switch to run or stop mode
- Time and date settings
- Bolus increment settings
- Activate/deactivate blind bolus
- Activate/deactivate Bluetooth®
- Bluetooth® pairing

The icons for these functions are shaded grey in the menu.

When the access lock function is activated, all inactive icons are displayed in a darker grey. This means the function is not available and cannot be selected.

Activating access lock

1/5: Open the main menu and tap the “Settings” icon.



2/5: Swipe to the left and tap the “Access lock inactive / activate” icon.

3/5: Confirm by tapping ☑. The mylife™ YpsoPump® vibrates briefly and the access lock function is activated.

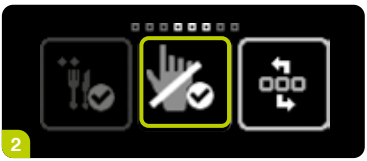
4/5: The status screen appears. The activated access lock function is visualised by an access lock icon at the top of the screen.

5/5: If you open the main menu again, tap the “Settings” icon and swipe to the left, the “Access lock active / deactivate” icon now appears.

Basal rate delivery continues when the access lock is activated.

Deactivating access lock

1/5: Open the main menu and tap the “Settings” icon.



2/5: Swipe to the left and tap the “Access lock active / deactivate” icon.

3/5: Confirm by tapping ☑. The mylife™ YpsoPump® vibrates briefly and the access lock function is deactivated.

4/5: The status screen appears. The access lock icon at the top of the screen disappears. All icons are now active and the functions can be operated again.

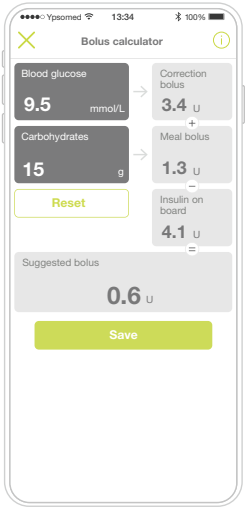
5/5: If you open the main menu again, tap the “Settings” icon and swipe to the left, the “Access lock inactive / activate” icon now appears.


my life
YpsoPump®

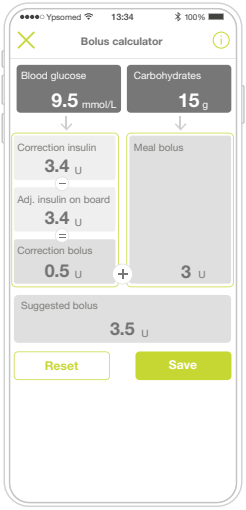
The mylife™ App bolus calculator

Important: the mylife™ App bolus calculator offers two methods for the calculation of a bolus suggestion. The child's diabetes team will have selected the one method that best fits the targeted therapy.

To be sure what method the child is using, please compare the bolus calculator screen in your child's mylife™ App profile with the two images below. Then go to the respective page number indicated to find more information in this Caregiver Guide about the selected method. For further information, the mylife™ App User Guide is available in the mylife™ App itself or on our website:
www.mylife-diabetescare.co.uk/downloads



Method 1: see page 21



Method 2: see page 25

Bolus calculation
Method 1

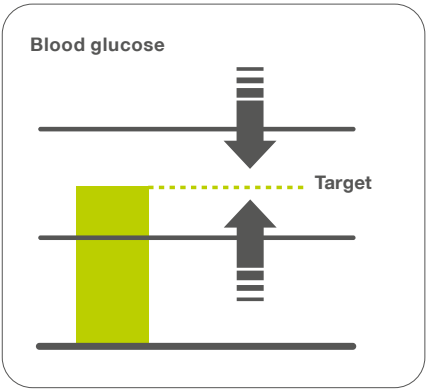
The bolus calculation method 1 of the mylife™ App is based on the following bolus calculator setting: Insulin on board (IOB) subtracted from correction bolus and meal bolus.

A bolus suggestion consists of three parts:
- Correction bolus
- Meal bolus
- Insulin on board

Correction bolus

How much insulin do you need to correct the current blood glucose value?
The correction bolus is administered to correct the blood glucose (BG) value. The calculation is based on the BG target value, which is the BG value that the child needs to reach. It corresponds to a setting of the bolus calculator that was defined by your child's physician or diabetes counsellor.

The BG value can either be corrected:
- by delivery of insulin if the BG lies above the BG target value.
- by reduction of the meal bolus if the BG lies below the BG target value.



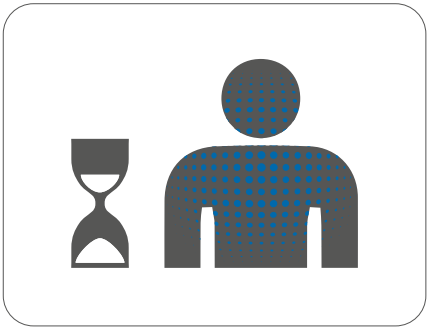
Meal bolus

How much insulin is needed to cover any planned food intake?
The meal bolus compensates the consumed carbs in the food. Enter the amount of estimated carbs into the bolus calculator. You will receive an appropriate bolus suggestion for the food intake.

Insulin on board

How much insulin is still active in the body from any previous boluses?
Insulin on board is the amount of bolus insulin which is still active in the body from previous boluses. The more time has passed since the last boluses, the lower the amount of insulin still active in the body.

The bolus calculator takes the insulin on board into account by reducing correction bolus and meal bolus by this amount.



Bolus calculation
Method 1

The bolus calculator suggests the amount of insulin required for the correction bolus and the meal bolus. If there is insulin still active in the body from a previous bolus, the calculator subtracts the insulin on board from the correction bolus and the meal bolus to achieve a bolus suggestion.

Bolus suggestion = Correction bolus + Meal bolus – Insulin on Board

Correction bolus **Meal bolus** **Insulin on board**

Bolus calculation
Method 1: calculation example

The below calculation is based on a blood glucose value and estimated carbs for your child's food intake. Of course it is also possible to calculate a bolus suggestion based only on a blood glucose measurement (i.e. without entering any carbs) or only on estimated carbs (i.e. without entering any blood glucose value).

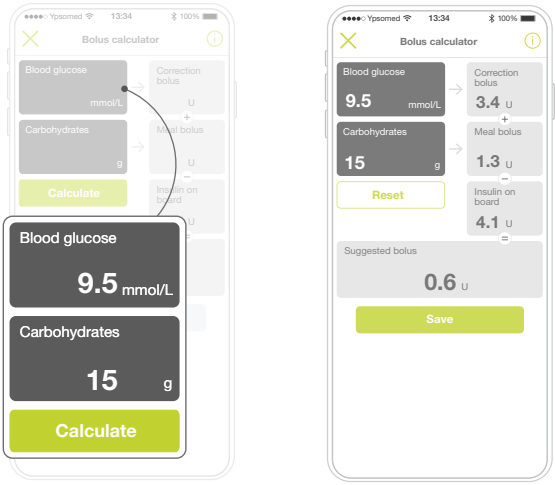
Calculation

- Enter the current BG value and the amount of estimated carbs in the dark input fields on the left (see left-side image).
- Press **Calculate.**

The result is displayed in the **Suggested bolus** field (see right-side image).

Functions

- Press **Reset** to delete the values and the calculation or
- press **Save** to save the values and calculation details to the logbook.



The entered values and results shown above are examples only.

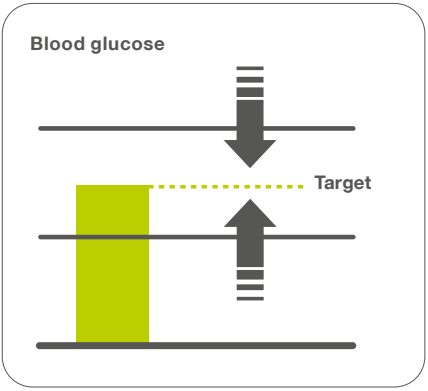
Bolus calculation
Method 2

The bolus calculation method 2 of the mylife™ App is based on the following bolus calculator setting: Insulin on board (IOB) only subtracted from correction bolus. Meal boluses are never reduced by any IOB in the child's body.

A bolus suggestion consists of three parts:
- Correction insulin
- Adjustment insulin on board
- Meal bolus

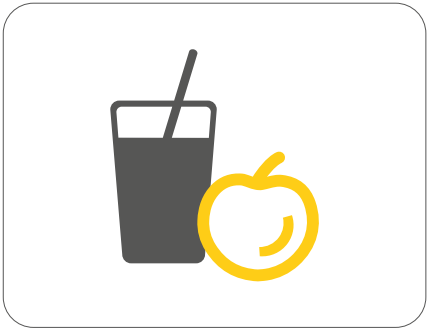
Correction insulin

- Serves to correct the measured blood glucose (BG) value
- The calculation is based on and corrects to the individually defined BG target value
- Note: the correction insulin calculation of method 2 corresponds to the correction bolus calculation of method 1



Meal bolus

- Compensates for food intake
- Covers the carbs in any consumed food



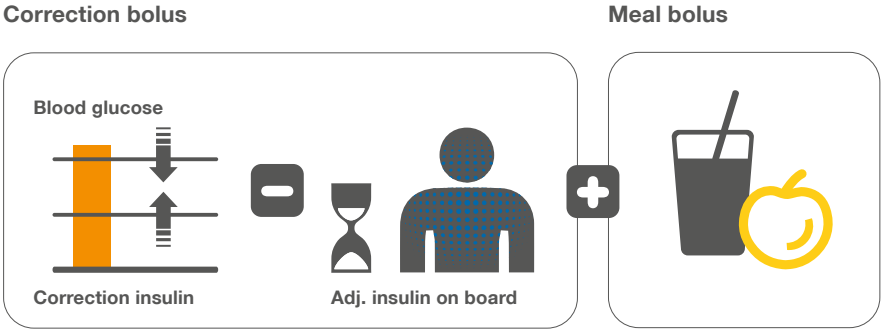
Adjustment insulin on board

- The number of insulin units of the insulin on board that are subtracted from the correction insulin.
- The value of this parameter depends on the magnitude of the correction insulin relative to the insulin on board in the child's body.

Bolus calculation
Method 2

Three components are considered within the equation to achieve an overall bolus suggestion.

(Correction insulin – Adjustment insulin on board) + Meal bolus = Suggested bolus



Bolus calculation
Method 2: calculation example

The below calculation is based on a blood glucose value and estimated carbs for your child's food intake. Of course it is also possible to calculate a bolus suggestion based only on a blood glucose measurement (i.e. without entering any carbs) or only on estimated carbs (i.e. without entering any blood glucose value).

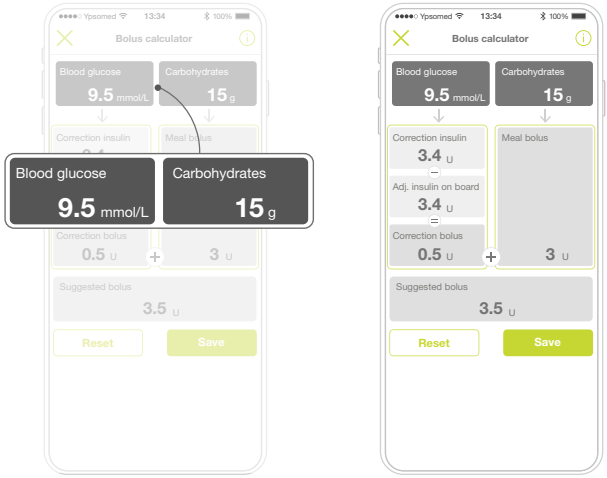
Calculation

- Enter the current BG value and the amount of estimated carbs in the dark input fields on top of the screen (see left-side image).
- Press **Calculate.**

The result is displayed in the **Suggested bolus** field (see right-side image).

Functions

- Press **Reset** to delete the values and the calculation or
- press **Save** to save the values and calculation details to the logbook.



The entered values and results shown above are examples only.


my life
YpsoPump®

How to deliver a bolus

A bolus is an insulin dose administered in addition to the basal rate. To be able to deliver a bolus, the mylife™ YpsoPump® must be in run mode (see page 50).

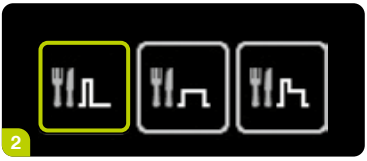
A bolus is administered in the following situations:

- Compensation for meal carbohydrates (a meal bolus)
- Reduction of blood glucose to correct a high blood glucose level

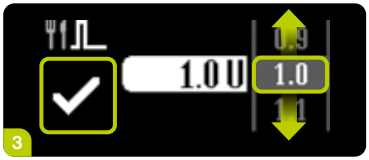
Standard bolus

The bolus amount entered is delivered immediately.

1/4: Open the main menu and tap the “Bolus” icon.



2/4: Tap the “Standard bolus” icon.



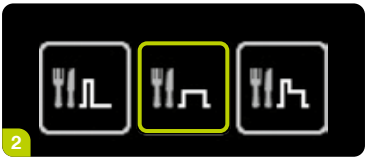
3/4: Select a bolus amount (the selectable bolus amount depends on the set bolus increment). Bolus delivery commences immediately as soon as you confirm by tapping ☑. The mylife™ YpsoPump® vibrates briefly.

4/4: The mylife™ YpsoPump® counts down the remaining units on the status screen. You can cancel a bolus in progress at any time by tapping ☒. Cancellation must always be confirmed by tapping ☑.

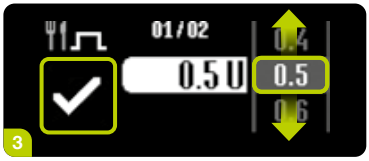
Extended bolus

The bolus amount entered is delivered over an adjustable extension time, spread equally.

1/6: Open the main menu and tap the “Bolus” icon.

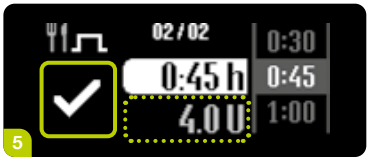


2/6: Tap the “Extended bolus” icon.



3/6: Select a bolus amount (the selectable bolus amount depends on the set bolus increment) and confirm by tapping ☑.

4/6: Select the extension time during which you wish to deliver the bolus amount selected. The extension time can be set from 15 minutes to 12 hours in steps of 15 minutes.



5/6: The set bolus amount is displayed in grey below the extension time selected. The mylife™ YpsoPump® starts bolus delivery after confirmation by tapping ☑. The mylife™ YpsoPump® vibrates briefly.

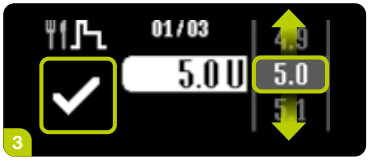
6/6: The mylife™ YpsoPump® counts down the remaining units on the status screen. In addition, the remaining extension time of the extended bolus is displayed. You can cancel a bolus in progress at any time by tapping ☒. Cancellation must always be confirmed by tapping ☑.

Combination bolus

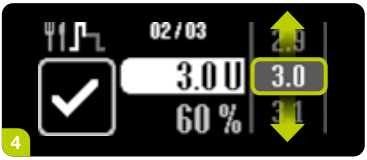
The total bolus amount entered is split adjustably between a standard bolus and an extended bolus.

1/8: Open the main menu and tap the “Bolus” icon.

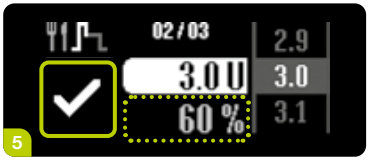
2/8: Tap the “Combination bolus” icon.



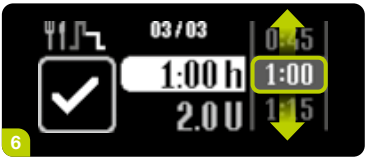
3/8: Select a total bolus amount (the selectable bolus amount depends on the set bolus increment) and confirm by tapping ☑.



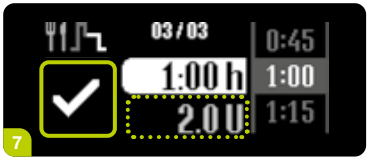
4/8: Select the bolus amount that you want to deliver directly (immediate portion).



5/8: The percentage of the immediate portion is displayed in grey under the bolus amount selected. This bolus amount must be confirmed by tapping ☑.



6/8: Select the extension time during which you wish to deliver the remaining portion of the bolus amount (extended portion). Extension time can be set from 15 minutes to 12 hours in steps of 15 minutes.



7/8: The bolus amount of the extended portion is displayed in grey below the extension time selected. The mylife™ YpsoPump® starts bolus delivery after confirmation by tapping ☑. The insulin pump vibrates briefly.

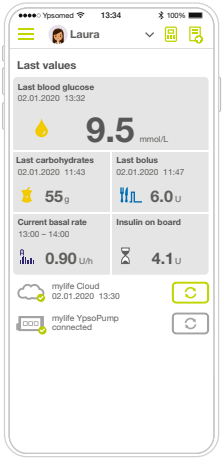
8/8: The mylife™ YpsoPump® counts down the remaining units on the status screen. The immediate portion of the bolus is delivered first. It is followed by the extended portion. In addition, the remaining extension time of the extended bolus is displayed. You can cancel a bolus in progress at any time by tapping ☒. Cancellation must always be confirmed by tapping ☑.

Data saving and display in mylife™ App

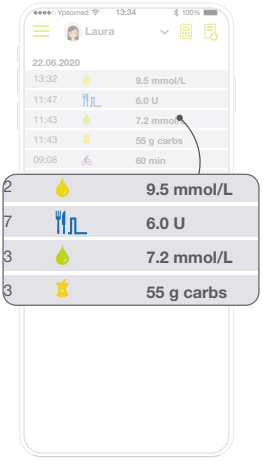
Last values
Display of latest therapy data, incl. blood glucose, bolus, basal rate and insulin on board (IOB).

Logbook
You can find all saved entries in your logbook. In addition, the results of the bolus suggestion calculation are saved in the background. They will be matched with these data and jointly saved with bolus delivery information at the next data import from your mylife™ YpsoPump®.

Important: The bolus suggestion results are displayed in the logbook only if you deliver a bolus on your mylife™ YpsoPump® within 30 minutes after saving the suggestion. You can view detailed information on the bolus calculation in the logbook by tapping the information button next to the bolus.



Last values



Logbook

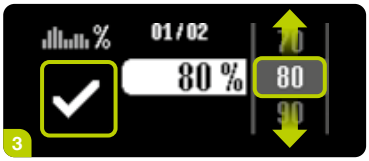
For further information on how to use the mylife™ App and the bolus calculator, please consult the user guide. The user guide is part of the mylife™ App and you will find it in the menu bar.

How to activate a temporary basal rate

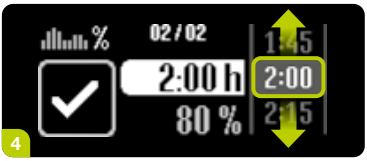
The temporary basal rate function allows to reduce or increase the basal rate for a limited period of time. When the temporary basal rate set has finished, the programmed basal rate profile (A or B) continues.

1/7 Open the main menu and tap the "Basal rates" icon.

2/7: Tap the "Temporary basal rate function" icon.

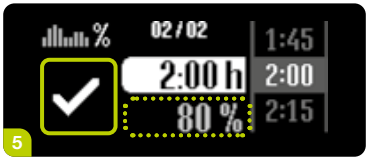


3/7: If you wish to reduce the current basal rate, select a value between 0 % and 90 %. If you wish to increase the current basal rate, select a value between 110 % and 200 %, e.g. if you choose a temporary basal rate of 80 %, the current basal rate is reduced by 20 %. 100 % means no reduction and no increase. Then confirm by tapping ☑.



4/7: Select the period of time in which you want to reduce or increase the current basal rate. The period can be set from 15 minutes to 24 hours in steps of 15 minutes.

The temporary basal rate function is not available in stop mode. To use this function, the insulin pump must be in run mode (see page 50).

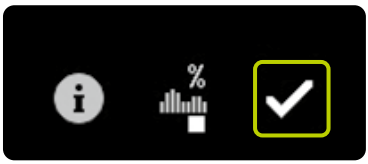


5/7: The percentage of the current basal rate is displayed to you in grey as information under the period of time selected. The mylife™ YpsoPump® starts the temporary basal rate function after confirmation by tapping ☑. The mylife™ YpsoPump® vibrates briefly.

6/7: The status screen appears with the actual basal rate. A % sign next to the basal rate profile set indicates that a temporary basal rate function is active.

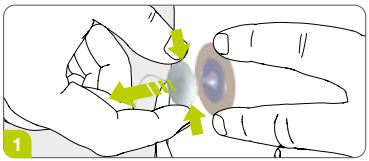
7/7: In addition, the period of time remaining and the selected percentage of the basal rate are displayed alternately under the basal rate value.

When the temporary basal rate set has completed, a warning appears on the screen. Confirm the warning. The programmed basal rate (A or B) also continues if you do not confirm the warning.



How to change the cartridge and the infusion set

Removing the cartridge and the infusion set



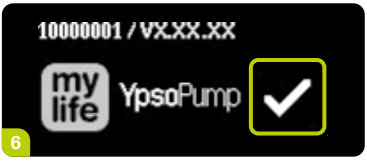
1/8: Always disconnect the tubing cap of the infusion set from the body first. Then carefully remove the tape from the body.

2/8: Open the main menu and tap the “Cartridge change and current cartridge level” icon.

3/8: Tap the “Return threaded rod” icon.

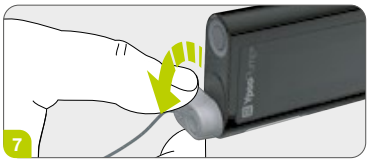
4/8: Confirm by tapping ☑. The mylife™ YpsoPump® vibrates briefly.

5/8: The threaded rod returns and the percentage is reduced to 0 %.

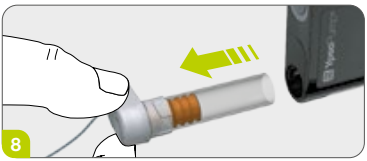


6/8: Tap ☑ to start and complete the self-test.

For the mylife™ YpsoPump®, you may only use a self-filled 1.6-ml reservoir (mylife™ YpsoPump® Reservoir) or a pre-filled 1.6-ml insulin cartridge compatible with the mylife™ YpsoPump®.



7/8: Disconnect the infusion set by turning the adapter on the mylife™ YpsoPump® counterclockwise until it stops.



8/8: Remove the empty cartridge and the infusion set from the mylife™ YpsoPump® and dispose of them in accordance with your national environmental protection regulations.

Inserting the cartridge and replacing the infusion set

1/2: Hold the mylife™ YpsoPump® upright with the opening of the cartridge compartment facing upwards. Insert a self-filled 1.6-ml reservoir or pre-filled 1.6-ml insulin cartridge.

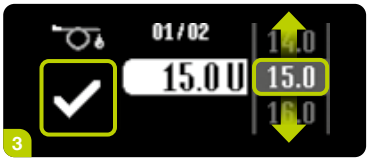
2/2: Place the new adapter on the inserted cartridge upright. Turn the adapter clockwise to the lock position. You should hear a soft click and/or feel a definite mechanical stop.

Do not insert the new cartridge until the threaded rod has completely returned and the mylife™ YpsoPump® has successfully performed the self-test. If you insert the cartridge while the threaded rod is still returning, the insulin pump may display the message “Threaded rod return not completed”. In this case repeat the cartridge change.

Priming the infusion set

1/6: Open the main menu and tap the “Prime infusion set” icon.

2/6: Tap the “Prime tubing” icon.



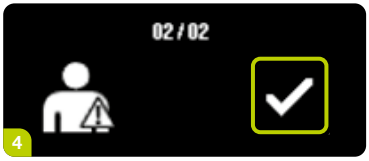
3/6: The screen for setting the priming volume appears. For the priming volume, select a value that is suitable for the infusion set, between 1.0 U and 30.0 U. Confirm by tapping ☑.

Priming volume for the tubing with adapter (volumes are approximate):
45 cm (18 inch): 10 units* (0.10 ml)
60 cm (24 inch): 12 units* (0.12 ml)
80 cm (31 inch): 15 units* (0.15 ml)
110 cm (43 inch): 18 units* (0.18 ml)

* 100 U/ml insulin

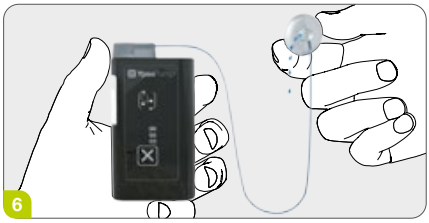
Priming volume when changing the cartridge only:
Check the cartridge for air bubbles. If the cartridge contains air bubbles, select the appropriate priming volume according to the tubing length as listed above, until there are no more air bubbles in the cartridge, in the adapter and in the tubing. If the cartridge does not contain any air bubbles, prime the minimum priming volume of 1.0 U when changing the cartridge only.

With mylife™ YpsoPump®, you are not required to change the infusion set every time you change the cartridge. They can be changed independently.



4/6: Confirm that you have disconnected the infusion set from the body by removing the tubing cap from the cannula base and confirm by tapping ☑. The mylife™ YpsoPump® vibrates briefly, the threaded rod advances up to the plunger of the cartridge and the infusion set is primed with the set amount of insulin.

5/6: During the priming procedure, keep the insulin pump in an upright position, with the adapter facing upwards and tap the insulin pump lightly on your open palm to remove the air bubbles from the infusion set. The screen counts the delivered priming volume upwards until the set value has been reached. You can cancel the priming procedure at any time by tapping ☒.



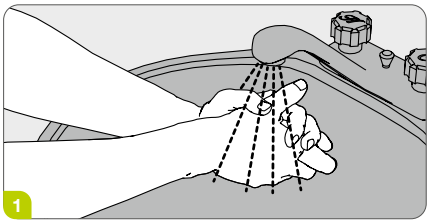
6/6: Repeat the priming procedure with the appropriate priming volume until there are no more air bubbles in the cartridge, in the adapter or in the tubing and until insulin has emerged from the end of the tubing of the infusion set.

If the temporary basal rate function or a bolus is activated, the prime infusion set function is not available. The prime infusion set function also cannot be executed if the cartridge is empty.

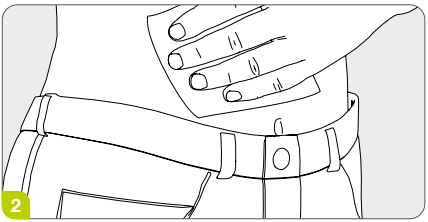
Attaching the infusion set to the body

If insulin has emerged from the end of the tubing and there are no more air bubbles in the cartridge, in the adapter or in the tubing, attach the infusion set to the body.

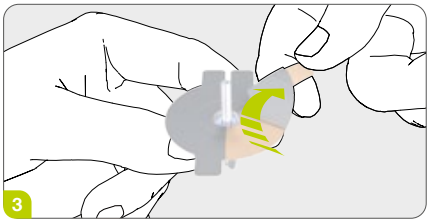
Manual insertion



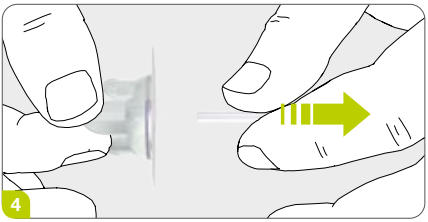
1/12: Wash your hands thoroughly.



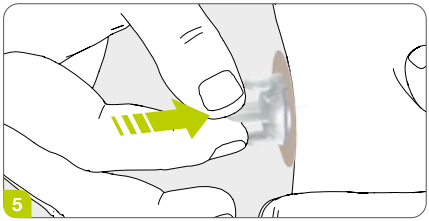
2/12: Clean and disinfect the infusion site with an isopropyl alcohol swab (70 %). Before continuing, make sure there are no hairs on the site and that the infusion site is dry.



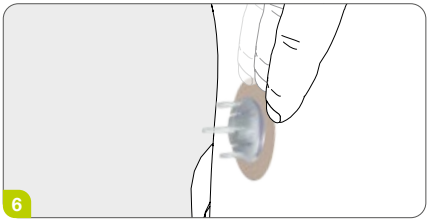
3/12: Peel the protective foil off the tape carefully. Make sure you do not touch the adhesive film.



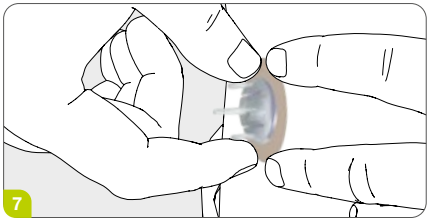
4/12: Remove the cannula protector from the cannula carefully.



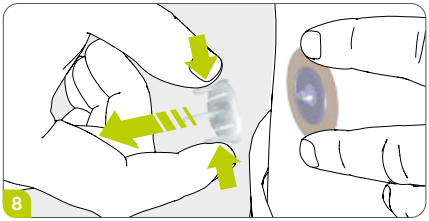
5/12: Stabilise the infusion site and insert the cannula at an angle of 90° or alternatively use the mylife™ Orbit®Inserter.



6/12: Press the tape onto the skin and run your fingers over the tape for a few seconds to optimise adhesion.

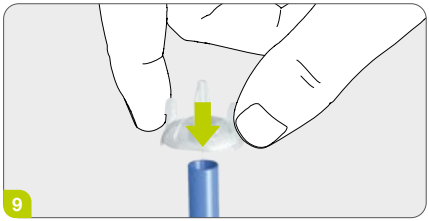


7/12: Press the tape onto the skin with one hand and grasp the introducer cap with two fingers of your other hand.

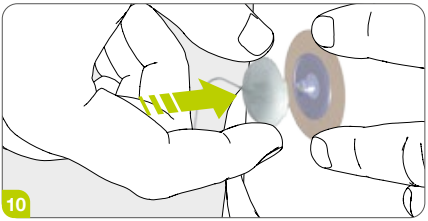


8/12: Carefully remove the introducer needle (mylife™ YpsoPump® Orbit®soft) or the introducer cap (mylife™ YpsoPump® Orbit®micro) by pressing on the two outer wings of the introducer cap and pull it from the infusion site.

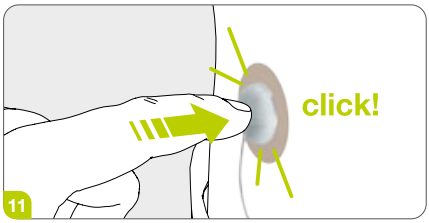
The mylife™ YpsoPump® Orbit®micro has a steel cannula that can be applied to the body without any additional introducer needle.



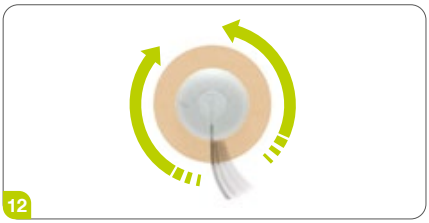
9/12: Cover the removed introducer needle with the blue protection cap and dispose of it in a safety bin.



10/12: Attach the tubing cap straight to the cannula base of the infusion set.



11/12: Make sure you hear it click into place.

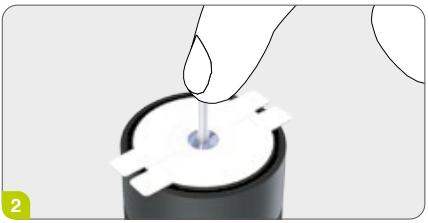


12/12: Rotate the tubing left and right, at least one full turn in each direction while pulling upward on the cap to ensure the tubing cap is fully engaged and the fluid path is opened.

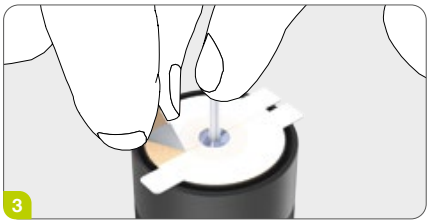
Insertion with the mylife™ Orbit®Inserter

To facilitate skin penetration with the mylife™ YpsoPump® Orbit®soft and mylife™ YpsoPump® Orbit®micro infusion sets, use the mylife™ Orbit®Inserter.

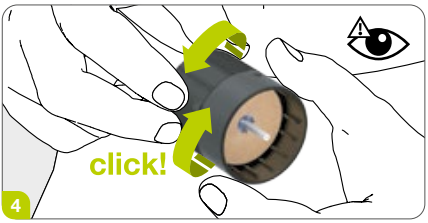
1/15: Place inserter. Hold the inserter and infusion set as shown. Put the infusion set in the inserter. A “click” ensures correct attachment.



2/15: Hold infusion set in position.

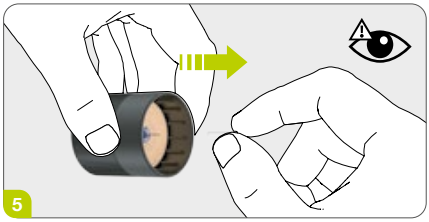


3/15: Remove tape backing.

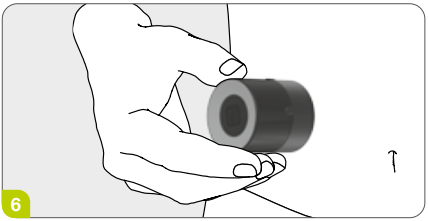


4/15: Turn to activate. Turn the lower part of the inserter clockwise until it stops and remains in position.

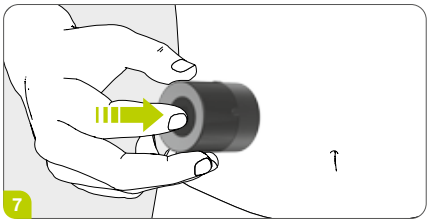
Keep the inserter pointed towards the infusion site and away from eyes and any body part where insertion is not desired. Activating inserter pointed away from injection site during readying and in its loaded state may result in pain or injury. For further advice, please consult your doctor or diabetes advisor. Single person use only.



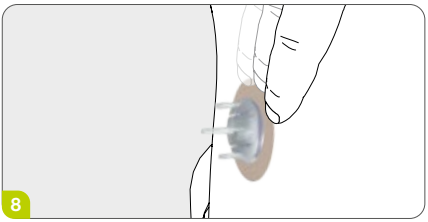
5/15: Remove cannula protector.



6/15: Place at infusion site.

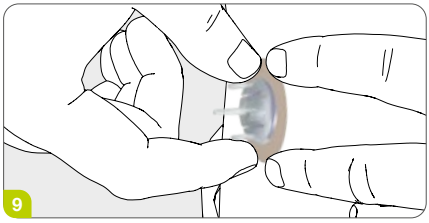


7/15: Push button. Push the button until a “click” is heard.

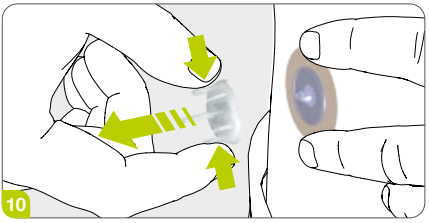


8/15: Press the tape onto the skin and run your fingers over the tape for some seconds to optimise adhesion.

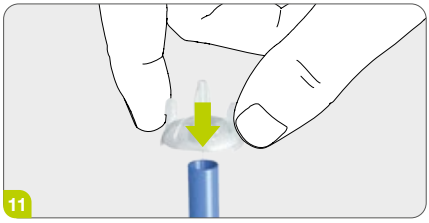
Do not use the infusion set if the introducer needle has been damaged or bent.



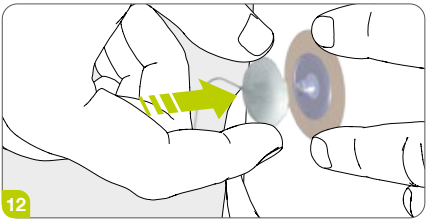
9/15: Press the tape onto the skin with one hand and grasp the infusion cap with two fingers of your other hand.



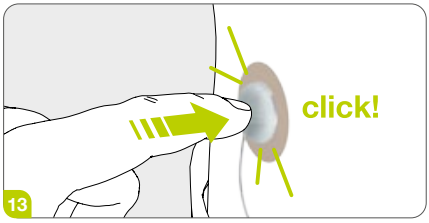
10/15: Carefully remove the introducer needle (mylife™ YpsoPump® Orbit®soft) or the introducer cap (mylife™ YpsoPump® Orbit®micro) by pressing on the two outer wings of the introducer cap and pull it from the infusion site.



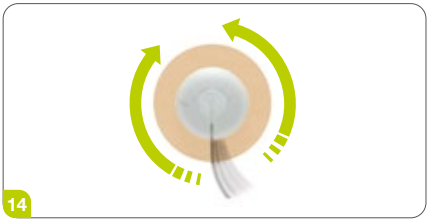
11/15: Cover the removed introducer needle with the blue protection cap and then dispose of it in a safety bin.



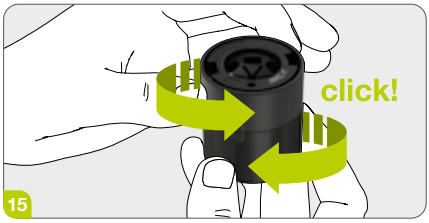
12/15: Attach the tubing cap straight to the cannula base of the infusion set.



13/15: Make sure you hear it click into place.



14/15: Rotate the tubing left and right, at least one full turn in each direction while pulling upward on the cap to ensure the tubing cap is fully engaged and the fluid path is opened.

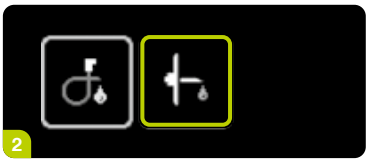


15/15: Reset inserter. Turn the lower part of the inserter back to its start position.

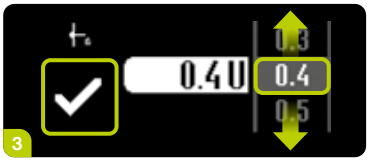
Priming the cannula

After having attached the infusion set to the body, the cannula has to be primed with insulin.

1/4: Open the main menu and tap the “Prime infusion set” icon.



2/4: Tap the “Prime cannula” icon.



3/4: The screen for setting the priming volume appears. For the priming volume, select a value that is suitable for the cannula, between 0.1 U and 1.0 U. Confirm by tapping ☑. The mylife™ YpsoPump® vibrates briefly and the cannula is primed with the set amount of insulin.

4/4: During the priming procedure, the screen counts the delivered priming volume upwards until the set value has been reached. You can cancel the priming procedure at any time by tapping ☒.

Priming volume for the cannula part, head (volumes are approximate):

5.5 mm steel cannula with base:	0.2 units* (0.002 ml)
8.5 mm steel cannula with base:	0.2 units* (0.002 ml)
6 mm soft cannula with base:	0.3 units* (0.003 ml)
9 mm soft cannula with base:	0.4 units* (0.004 ml)

* 100 U/ml insulin

How to start insulin delivery

Run mode

To start insulin delivery, put the insulin pump into run mode.

1/3: Open the main menu, swipe to the left and tap the “Stop mode / switch to run mode” icon.

2/3: Confirm by tapping ☑. The mylife™ YpsoPump® vibrates briefly.

3/3: The status screen appears. Basal rate delivery starts according to the programmed profile.

How to stop insulin delivery

Stop mode

To switch the mylife™ YpsoPump® from run mode to stop mode, open the main menu. Insulin delivery is not possible in stop mode.

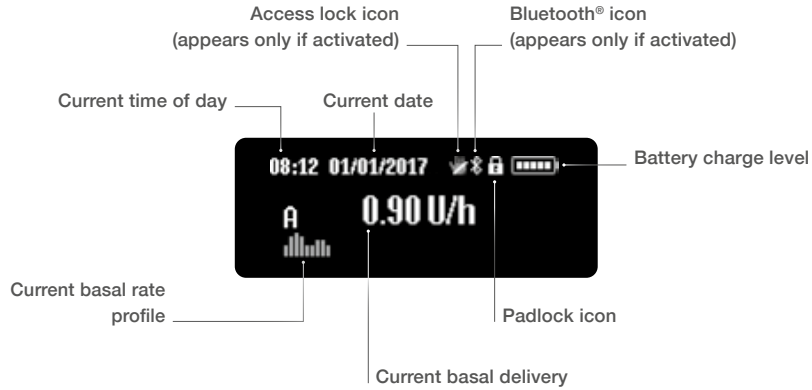
1/3: Open the main menu, swipe to the left and tap the “Run mode / switch to stop mode” icon.

2/3: Confirm by tapping ☑. The mylife™ YpsoPump® vibrates briefly.

3/3: The status screen appears. Insulin deliveries are stopped immediately. This is indicated on the screen.

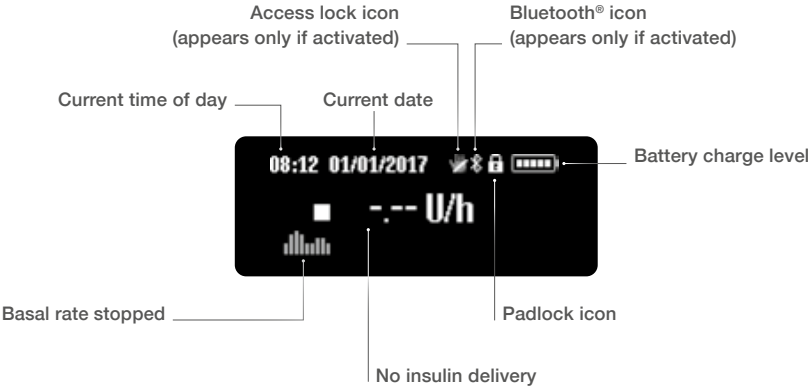
The screen of the mylife™ YpsoPump® shows a stop warning if the insulin pump has been in stop mode for more than one hour. The stop warning can be triggered prematurely, directly after the insulin pump has been set into stop mode, by giving the function button a long press and then confirming the warning.

Status screen in run mode

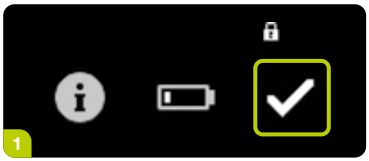


Status screen in stop mode

If the insulin pump is in stop mode, all insulin delivery is cancelled.



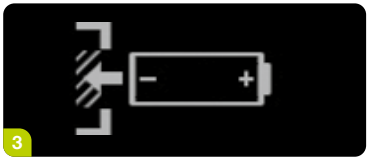
How to change the battery



1/5: If the “Battery charge level low” warning appears, the insulin pump can still be operated for at least two days. Replace the battery as soon as possible.

2/5: Open the battery compartment by inserting a coin in the groove of the battery compartment lid and turn counterclockwise. Remove the empty battery from the battery compartment and dispose of it in accordance with your national environmental protection regulations.

If the battery compartment has remained open for more than 5 minutes and the mylife™ YpsoPump® is in run mode, an alarm is triggered. After entering a new battery, all insulin pump settings are saved and do not have to be entered again.
If the battery compartment remains open for more than 5 minutes and the mylife™ YpsoPump® is in stop mode, the insulin pump is automatically put into storage status. When changing the alkaline battery, make sure you do not lose the battery compartment lid.



3/5: The battery orientation screen shows the orientation of the AAA battery for insertion. It appears on the status screen. If the insulin pump is in run mode and the battery is not inserted for more than 5 minutes, an alarm is triggered.

4/5: Insert a new, size AAA, alkaline battery (LR03). Make sure the negative pole of the battery is inserted first. On the back of the insulin pump, you will see a picture showing how to insert the battery. You can obtain replacement batteries from the usual battery sales outlets.

5/5: Lock the battery compartment by inserting a coin in the groove of the battery compartment lid and turning it clockwise until it stops. When the battery has been inserted, the mylife™ icon appears first, followed by the status screen or welcome screen. The latter appears if the battery has been removed during a threaded rod return or during a self-test after starting up from the storage status. Change the battery compartment lid every three months to minimise signs of wear.

When changing the alkaline battery, check the battery compartment, the battery itself and the battery compartment lid for any damage. If you discover any damage (e.g. battery leak), contact our Customer Service.

If you remove the battery while you are in the main menu or in a submenu, all the current settings, which have not yet been confirmed, will be discarded and the battery orientation screen appears.

After removal of the battery, the following functions are completed first before the battery orientation screen appears:

- Return of the threaded rod
- Priming in progress
- Standard bolus in progress
- Immediate portion of the combination bolus in progress
- Blind bolus in progress

If you remove the battery while any of the following functions are in progress, the battery orientation screen appears and the function continues in the background for 5 minutes until the alarm is triggered (alarms lead to a discontinuation of insulin delivery):

- Basal rate delivery
- Temporary basal rate function in progress
- Extended bolus in progress
- Extended portion of the combination bolus in progress


my life
YpsoPump®

Icon overview

Navigation aids

	Cancel
	Confirm
	Forward to unlock
	Forward
	One menu level up
	One step back

General icons

	Warning
	Alarm
	Audible signal
	Vibration signal
	Battery charge level

	Battery removed
	Remove battery
	Threaded rod returning
	Prime tubing in progress
	Prime cannula in progress
	Disconnect infusion set from body
	Ready for Bluetooth® pairing
	Bluetooth® pairing in progress
	Press function button for 2 seconds
	Total insulin amount per day (basal and bolus)

Icons in main menu and submenus

	Bolus
	Standard bolus
	Extended bolus
	Combination bolus
	Basal rates
	Basal rate profile A
	Basal rate profile B
	Switch to basal rate profile A
	Switch to basal rate profile B
	Temporary basal rate function
	Temporary basal rate function activated / cancel
	Cartridge change and current cartridge level
	Return threaded rod

	Prime infusion set
	Prime tubing
	Prime cannula
	Data
	Therapy data
	Alarm history
	Run mode / switch to stop mode
	Stop mode / switch to run mode
	Settings
	Time of day
	Date
	Set bolus increment
	Blind bolus active / deactivate

	Blind bolus inactive / activate
	Access lock active / deactivate
	Access lock inactive / activate
	Rotate screen
	Bluetooth® active / deactivate
	Bluetooth® inactive / activate
	Bluetooth® pairing

Alarm icons

	No battery
	Battery empty
	Battery not suitable
	Charge internal rechargeable battery
	Occlusion
	No insulin
	Cartridge empty
	Auto stop
	Electronic error

Warning icons

	Cartridge level low
	Battery charge level low
	Threaded rod return not completed
	Priming not completed
	Bolus cancelled
	Temporary basal rate function completed or cancelled
	Insulin pump stopped
	Bluetooth® connection failed

Warnings

The mylife™ YpsoPump® has a safety system that constantly monitors all functions. If there is a deviation from the defined operating status, the insulin pump triggers a warning or an alarm, depending on the situation.

Displayed warnings are primarily tactile and audible and there are 4 escalation levels. The levels escalate at intervals of 30 minutes. The warnings appear on the status screen and have to be confirmed. For this purpose the screen can be switched on with the function button. The warnings do not cause any cancellation in insulin delivery. When all the warnings have been confirmed, the original status screen reappears.

Escalation levels warnings:
Level 1: Tactile
Level 2: Tactile and low audible signal
Level 3: Tactile and high audible signal
Level 4: Tactile and higher audible signal

Alarms

The mylife™ YpsoPump® has a safety system that constantly monitors all functions. If there is a deviation from the defined operating status, the insulin pump triggers a warning or an alarm, depending on the situation.

Alarms given are primarily tactile and audible and there are 4 escalation levels. The levels escalate at intervals of 5 minutes. If an alarm is confirmed but not dealt with, it is given again by audible and tactile means after 30 minutes. An electronic error is the exception. That is indicated directly and permanently by audible and tactile means.

All the alarms which may occur on the mylife™ YpsoPump® are described on the following pages.

Escalation levels alarms:
Level 1: Tactile
Level 2: Tactile and low audible signal
Level 3: Tactile and high audible signal
Level 4: Tactile and higher audible signal

Alarms always lead to cancellation of insulin delivery.

No battery

The “No battery” alarm appears if you remove the alkaline battery from the battery compartment for more than 5 minutes while the insulin pump is in run mode. Confirm by tapping ☑ and insert a new AAA alkaline battery (LR03). Follow the procedure on page 53 of this Caregiver Guide. The “No battery” alarm only appears if the battery was removed while the insulin pump was in run mode. If the battery is removed in stop mode, the insulin pump adopts storage status after 5 minutes.

Battery empty

The “Battery empty” alarm appears if the battery no longer has sufficient power and has to be changed. Confirm by tapping ☑ and insert a new AAA alkaline battery (LR03). Follow the procedure on page 53 of this Caregiver Guide.

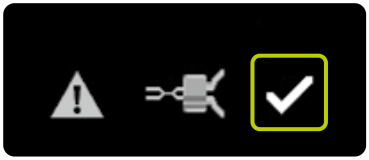
Battery not suitable

The “Battery not suitable” alarm appears if you insert a battery whose voltage is too high. Confirm by tapping ☑. Remove the unsuitable battery from the battery compartment and insert a new AAA alkaline battery (LR03). Follow the procedure on page 53 of this Caregiver Guide.

Charge internal rechargeable battery

The “Charge internal rechargeable battery” alarm appears if the internal rechargeable battery of the mylife™ YpsoPump® is depleted on account of a high load. All the insulin deliveries in progress are cancelled: boluses, temporary basal rate and basal rate. Confirm by tapping ☑. The internal rechargeable battery is now charged by the alkaline battery which is indicated by arrows rotating round the hourglass. The charging process can take up to 20 minutes. When you have confirmed the alarm, any cancelled boluses and the cancelled temporary basal rate function are indicated with appropriate warnings. Then the status screen is displayed, but not if the “Charge internal rechargeable battery” alarm has appeared after the threaded rod has returned or during a self-test after starting the insulin pump from storage status. In these cases, the welcome screen appears.

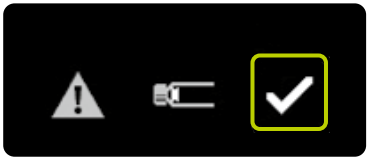
Occlusion



The “Occlusion” alarm appears if the infusion path is blocked (e.g. adapter, infusion set, cannula).Confirm by tapping ☑ and disconnect the infusion set from the body. Then perform the following actions:

- Change the infusion set in accordance with the procedure on page 37 of this Caregiver Guide.
- Prime the tubing with the priming volume specified for the tubing and cannula according to the volumes reported on pages 40 and 49 of this Caregiver Guide.
- If priming of the new infusion set can be completed without an occlusion alarm, therapy can be continued.
- If an occlusion alarm occurs again while the new infusion set is being primed, the cartridge must be changed in accordance with the procedure on page 37 of this Caregiver Guide. If subsequent priming can be completed without an occlusion alarm, therapy can be continued.
- If an occlusion alarm occurs again while priming after having changed the cartridge, the insulin pump is faulty and Customer Service must be consulted. You find the contact details on the back of this Caregiver Guide.

Cartridge empty



The “Cartridge empty” alarm appears if the cartridge contains 0.0 U insulin. Confirm by tapping ☑. Change the cartridge in accordance with the procedure on page 37 of this Caregiver Guide.

No insulin

The “No insulin” alarm appears if after a threaded rod return no priming procedure is performed within 5 minutes or if the priming procedure failed. The “No insulin” alarm only appears if the insulin pump is in run mode. Confirm by tapping ☑. Insert a cartridge and perform a priming procedure.

Auto stop

The “Auto stop” alarm appears if the mylife™ YpsoPump® is in run mode and has not been operated within 24 hours. Insulin delivery in progress is stopped. Confirm the alarm by tapping ☑. After confirmation of the alarm, insulin delivery restarts.

Electronic error

If the mylife™ YpsoPump® detects an internal malfunction, an electronic error is displayed. All the functions of the insulin pump are cancelled. In the event of an electronic error, the insulin pump displays two different screens alternately which show you how to restart the insulin pump in a few steps.

Disconnect the infusion set from the body and remove the alkaline battery from the battery compartment.

Then press the function button for 2 seconds. The insulin pump is now devoid of a battery and in storage status. To put the insulin pump back into operation reinsert the alkaline battery, perform the self-test and set the time of day and the date. Check the therapy settings. Change the cartridge and the infusion set in accordance with the procedure on page 37 of this Caregiver Guide.

If the electronic error remains after the insulin pump has been put into operation again or if it reoccurs after a certain time, stop using the pump, remove the alkaline battery and contact Customer Service. You find the contact details on the back of this Caregiver Guide.

Read the User Guide

Supplies

You should have the following supplies on hand at all times:

- Phone numbers of the child's parents/guardians, diabetes team and emergency contact
- Spare cartridges
- Spare batteries (AAA alkaline LR03)
- Blood glucose monitoring system with test strips, control solution and spare batteries
- Lancing device and lancets
- Glucose tablets or another fast-acting source of carbohydrate
- Alcohol prep swabs
- If travelling, a copy of a letter from the child's diabetes team for airline security
- Ketone meter and testing strips
- Spare insulin pens - both long and short acting
- Spare sensors if the child is using them for BG monitoring

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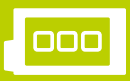

Infusion systems

Blood glucose monitoring systems

Therapy management

Pen needles

With its mylife™ Diabetescare brand, Ypsomed offers a comprehensive portfolio of products and services for people with diabetes. This allows users easy, discreet and reliable self-treatment. With mylife™ Diabetescare, self-treatment becomes simpler and easier.

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