ACCU-CHEK® Solo

Roche

TRAINING HANDBOOK

Accu-Chek® Solo micropump system

THE DIABETES MANAGER

A closer look at the diabetes manager

	Name	Description
1	Power button	Switches the diabetes manager between standby and active mode. If pressed for longer, it activates a menu to switch off or change sound settings.
2	Lanyard eyelet	Location for attaching a lanyard
3	Earphone socket	Socket for connecting earphones
4	Signal LED	The signal LED flashes when error, maintenance, warning messages, or reminders are displayed. It also indicates when the battery is charging.
5	Micro USB connector	Socket to recharge the diabetes manager and allow communication with a PC
6	Screen	LCD touchscreen that shows the status of the system
7	Function buttons	Elements on the touchscreen – the functions of the buttons depend on the screen shown
8	Navigation buttons	Navigation controls that serve to move between the menus: Back / Home / Next
9	Insulin button	Button for confirming a previously set insulin delivery
10	Test strip slot	Insert the test strip for blood glucose tests here
11	Camera	Using the camera, you can scan the connection code on the pump base to connect the micropump and the diabetes manager to each other
12	Battery door	Removable cover for the battery compartment

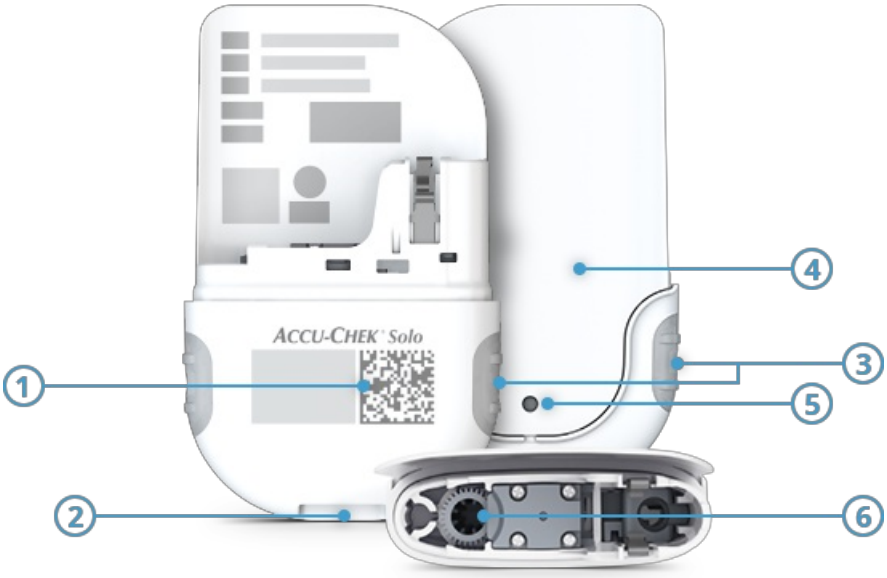
The diabetes manager is the remote control that is used to control the micropump and support diabetes treatment – it also contains a blood glucose meter. Using the diabetes manager, you can program the delivery of basal insulin and boluses. It has a built-in technology that calculates bolus advice tailored to your individual needs and changing situations. In addition, the diabetes manager receives data from the micropump and saves data on insulin delivery in the electronic logbook.

Note

If you are in a noisy environment, you may not hear the system messages. Therefore, always pay careful attention to the screens and signals on the diabetes manager to make sure that you see all important system messages and that the micropump system is functioning properly.

THE MICROPUMP BASE

A closer look at the micropump base



1. Pairing code
2. Notch to attach the micropump holder
3. Quick bolus buttons
4. Pump shield
5. Ventilation opening
6. Piston rod opening

The pump base contains the mechanical parts as well as the electronics to control and monitor pump operation. Together with the reservoir, the pump base makes up the micropump.

The pump base is reusable and can be used for a maximum of 120 days (about 4 months). **It is highly recommended to always have a spare pump base at home. That way you have a replacement at hand when the 120 days lifecycle period of the pump base you are currently using expires. Don't forget to reorder your spare pump after switching.** A blue reservoir cap protects the pump base. Remove the reservoir cap before using the micropump for the first time.

CHARACTERISTICS OF THE MICROPUMP SYSTEM

Tubeless insulin pump

The pump base contains the mechanical parts as well as the electronics to control and monitor the operation of the pump. The transparent reservoir connects to the pump base and is usable for 4 days. It can hold up to 200 U rapid-acting U100 insulin and a filling aid is provided for easy and controlled filling. The pump holder is a self-adhesive plate that holds the micropump and the cannula in place and can be worn at different sites directly on the body. The flexible plastic cannula, which creates a tubeless connection between the micropump and the body, is available with a length of 6 mm or 9 mm.

Convenient handling with the help of the diabetes manager

The diabetes manager is used to configure and control the micropump. It features a touchscreen and controls the micropump via *Bluetooth®* wireless technology. The main Status screen offers direct access to important information such as: bolus, basal rates, and blood glucose values. A quick preview of therapy and system events is available on the information screen. It also displays warnings, maintenance and error messages. The adjustable user menus are available in multiple languages.

Customized bolus and basal features

The system enables bolus delivery of up to 50 U by using the diabetes manager or by using buttons directly on the micropump. Choose from standard, extended, multiwave bolus and basal rates from 0.1 U to 25 U per hour. For more flexibility, 5 basal rate profiles for different daily routines can be programmed, as well as temporary basal rates from 0 to 250 %. When the pump is detached, the diabetes manager offers functional support when temporarily using a syringe or pen.

Support for therapy decisions

The system offers a built-in bolus advice feature and delivers easy-to-read visual representation of therapy trends. It also offers various logbook features. An interface to common data management software of diverse providers is provided so that users can also manage their data on a computer.

Assisted setup and application

The micropump system offers set up assistance via a step-by-step setup wizard. There is also a guided setup of basal rate profiles and the bolus advice feature offered, as well as instructed replacement of system components. Videos explaining handling steps are also available on the diabetes manager on demand.

Comfort and safety features

The diabetes manager features a built-in blood glucose meter with an illuminated test strip slot and test strip. It is equipped with a long-life rechargeable battery and an optional key lock with PIN. Users can program various volume settings and vibration modes for different environments. The diabetes manager delivers information when maintenance is required in a timely manner. It also runs built-in self-tests as well as detecting malfunctions automatically.

STATUS SCREEN

A closer look at the Status screen

The Status screen shows you the most important therapy information like last blood glucose result, current basal rate, active bolus, and the fill level of the reservoir, at a glance.

	Name	Description
①	Blood glucose result	Shows the last valid blood glucose result with time and date of the test and color to indicate the value being in range or not.
②	Basal rate	Shows the active basal rate profile with the amount of insulin that is delivered per hour – for temporary basal rates, the percentage value of the active basal rate profile is also shown.
③	Bolus	Shows the active bolus type and the remaining insulin amount for this bolus - only present if a bolus is running.
④	New bolus	Tap “New bolus” or + to program a new bolus
⑤	Main menu	Tap this button to display the main menu
⑥	Reservoir level	Shows the units of insulin remaining in the reservoir
⑦	Bolus time remaining	Shows the amount of time remaining of an extended or multiwave bolus
⑧	Bolus progress bar	Shows the amount and duration of the active bolus in form of a bar (only visible, as long as a bolus is being delivered)
⑨	Add data	Tap this button to add further data to the logbook (e.g. sportive activities or spontaneous snacks)
⑩		Tap the button with this symbol to cancel an active bolus

Shortcuts of the Status screen

The touch-sensitive areas of the Status screen allow you to quickly access menus and information. Tap to open the corresponding menu.

1. Logbook entries menu
2. Replace system components menu
3. Basal rate menu
4. Cancel bolus
5. Bolus menu

MAIN MENU

A closer look at the main menu

The main menu provides an access to all functions of the diabetes manager.**From the main menu, you can open the basic menus and features, go to the Status screen or add data.**

	Name	Description
1	Status bar	Shows status information of the diabetes manager (e.g. battery charge level)
2	Menu	Shows status information of the diabetes manager (e.g. battery charge level)
3	Menu selection	Menus that can be opened from the main menu level
4	Add data	Tap this button to add data to the logbook (e.g. time of test)
5	Status screen	Tap this button to display the Status screen

Note

The menus available in the menu selection differ, depending on the application (e.g. pump therapy or injection therapy).

Symbols found in the status bar

The status bar is displayed at the top and shows the time. **Various status icons can also be displayed in the status bar:**

Symbol	Name	Description
	Battery level	Shows the current battery charge level of the diabetes manager
	No communication	Displayed when communication between diabetes manager and micropump is interrupted
	Flight mode	Displayed when flight mode is turned on
	No Sound	Displayed when sound is turned off
	Temperature	Displayed when the diabetes manager's temperature is outside the temperature range allowed for performing blood glucose tests
	Signals turned off	Signals for Warnings are turned off for a defined time
	Vibration	Displayed when the vibration feature is turned on and all audible signals are turned off

Icons found in the main menu

Menu icon	Description
	Deliver manual bolus, deliver bolus using Bolus advice or cancel bolus
	Select or set basal rate profiles, program and cancel temporary basal rates (TBR)
	Start micropump
	Stop micropump (cancel delivery of boluses and TBR and interrupt basal rate)
	Test blood glucose, perform control test
	Replace system components (infusion assembly, reservoir, pump base)
	Adjust settings to suit your needs and preferences
	Display or edit logbook data
	Connect diabetes manager to computer to transfer data
	Turn flight mode on or off
	Set audible signals
	Watch Help videos

Approved/listed/registered under the product name:
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