



Simplifying Diabetes
www.medtrum.com

A7+ TouchCare[®] **Insulin Management System**

A7+ TouchCare® System

- Tubing-free semi-closed loop insulin management system
- Integrates insulin pump and CGM
- Predictive low glucose suspend function

A7+ TouchCare® System is composed of three parts:
PDM, Patch Pump and CGM



■ PDM

The Personal Diabetes Manager (PDM) monitors and controls your Patch Pump and Glucose Sensing System via wireless RF communication (Bluetooth).

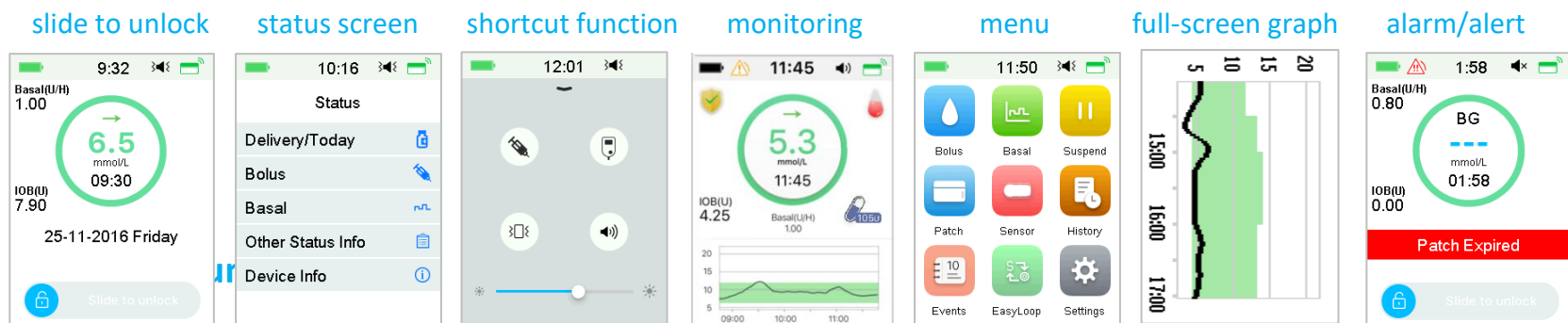
The PDM is rechargeable, featured by its color touch screen. Once fully charged, the PDM can be used for around 7 days.

PDM stores your pump and sensor data of the last 90 days.

RF communication between your Patch Pump and PDM works up to a distance of 4 meters without blocking.

RF communication between your Transmitter and PDM works up to a distance of 10 meters without blocking.

The PDM will notify you about a lost connection. As soon as the problem is resolved, RF communication will resume.



The Patch Pump is a small, lightweight, self-adhesive device worn directly on your body to deliver precise, personalized doses of insulin into your body through a needle.

The Patch Pump is composed of a reusable Pump Base and a disposable Reservoir Patch. The delivery system and enclosure of the Reservoir Patch are applied parts of the Pump.

The Basal pattern is stored in the Pump Base, thus even when RF communication with PDM is lost or interrupted, the Patch Pump can continue to deliver basal insulin based on your programmed settings, perform safety checks and automatically stop delivery when serious conditions happen.

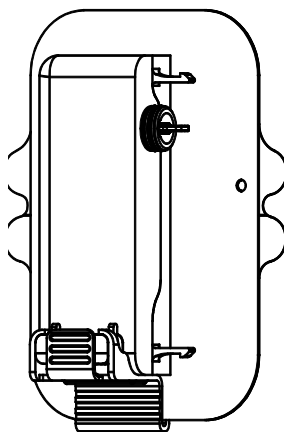
Reservoir Patch

The disposable 200-unit (2mL) Reservoir Patch incorporates a precise dispensing screw, a plunger, an actuator, a 90° steel needle (5mm), a buzzer and a battery to power your Pump.

The Reservoir Patch is disposable and lasts for 3 days.

Suitable for U-100 analog insulin.

When connected, the Reservoir Patch/Patch Pump is waterproof (IPX8) max: 2.5m, 2h.



Pump Base

The reusable Pump Base holds the electronics and stores all of your Pump settings.

Bolus delivery rate 0.05 U/2 s

Normal, Extended, Combo Bolus.

Max Bolus: 30U

Bolus Calculator

6 Preset Bolus

Max Basal: 25U/H

Up to 48 different Basal Rates a day

8 Basal Patterns

6 Preset Temp Basal Patterns



■ CGM System

The Glucose Sensing System is an optional part of the A7+ TouchCare® System which consists of a disposable Glucose Sensor and a rechargeable Transmitter.

The CGM data will be stored in the Transmitter for the last 14 days, thus when RF communication with PDM is lost or interrupted, the Transmitter can continue to record sensor glucose readings. No risk of data loss.

Glucose Sensor

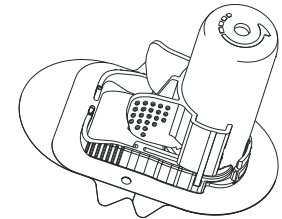
The Glucose Sensors inserted under the skin measures your glucose level in interstitial fluid. The Sensor is the applied part of the Glucose Sensing System.

The Sensor needs to be calibrated every 12 hours on the first day, then every 24 hours.

Sensor inserted in a flash by the simple pressing of button.

The Sensor lasts for 14 days.

When connected, the Sensor/Transmitter is waterproof.



Transmitter

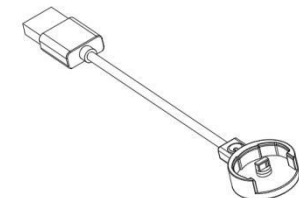
The Transmitter records sensor data and sends data to a display device every 2 minutes via wireless RF communication (Bluetooth). 720 measurements each day.

The Transmitter stores all data for the last 14 days.

The Transmitter is rechargeable, recharge time max. 25min.

The Transmitter shall be recharged after each sensor session.

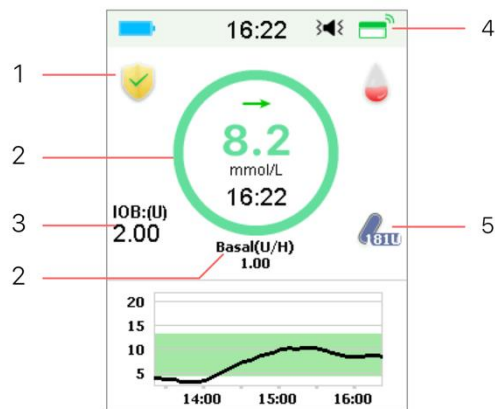
The Transmitter's USB charging cable is also included in the package as an accessory.



A7+ TouchCare® System details

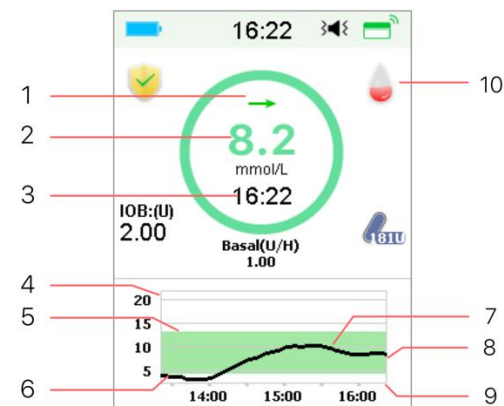
1. screen display

Pump status



1. EasyLoop Icon
2. Insulin Pump Delivering Status
3. IOB (Insulin on Board)
4. Pump RF Signal
5. Insulin left

Sensor Status



1. Trend Arrow
2. The last sensor reading or status
3. Time of the last sensor reading
4. The scope of glucose limit
5. High Limit of glucose limit
6. Low Limit of glucose limit
7. CGM Curve
8. Last Glucose point
9. The scope of time
10. Calibration

2. A7+ improvements compared to A6 color touchscreen

a. new functions

1. summary history of 1, 7, 14 and 30 days; analytical history record for Insulin, Bolus, BG, Sensor and Low Suspend
2. the icon for remaining reservoir volume is added on the home screen
3. telephone info in addition to username in general settings
4. in sensor trend graph the serrated green background blocks depicting the glucose limits differentiate different time-segments in settings

b. altered functions

1. eight basal patterns for editing: standard, holiday, exercise, sick, pattern A, pattern B, pattern C, pattern D
2. max bolus changed to 30U
3. temp basal default as percentage instead of rate
4. graphs in history can be viewed in full-screen
5. when CGM system is turned off, BG entered in events and bolus calculator will be shown on the home screen
6. PLGS unavailable time simplified as fixed 30 minutes
7. PLGS function no longer requires PDM to be in range of communication
8. A6 and A7+ has been both upgraded that when PDM is connected with EasyTouch App, pump data will be uploaded automatically (last 30 days) onto the cloud server, thus no manual upload needed

Medtrum EasyTouch® App

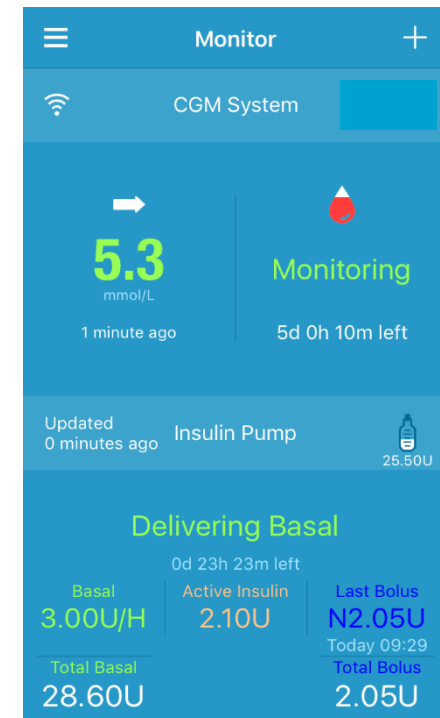
- Diabetes management on your smart device
- Data storage and display in Cloud Server
- Suitable for A6/A7+ TouchCare System
- Share data with caregivers via EasyFollow® App
- Share data with healthcare providers via EasyView®

Your smart device connects with your PDM via wireless RF communication (Bluetooth).

The Medtrum EasyTouch® App shows your real-time data and uploaded data of

CGM and Insulin Pump.

You can also view your data on the Medtrum EasyView® website.

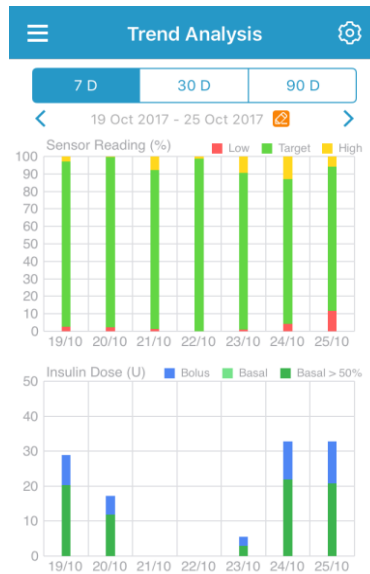
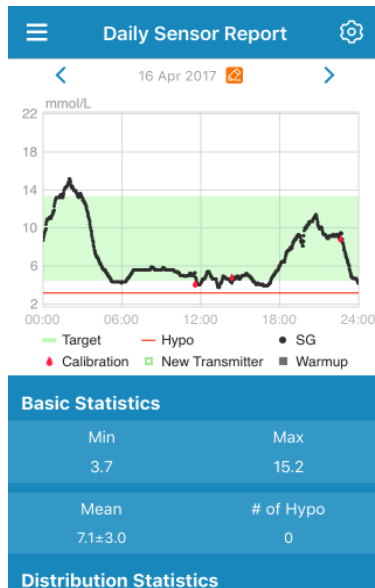


■ Statistics in real-time mode

Three real-time reports will be displayed on your EasyTouch® App:
Daily Sensor Report, Trend Analysis, Event Summary.

■ Statistics in upload mode

You can upload from you EasyTouch® App the CGM and Insulin Pump data and view five uploaded reports:
Daily Sensor Report, Daily Pump Report, Trend Analysis, Event Summary, and PDM Settings Report.



Event Summary

7 D 30 D 90 D

Jun 11, 2016 - Jun 18, 2016

Date	BG Test #/Mean (mmol/L)	Carbs #/Total (g)	Insulin Injection (U)	Exercise #/Duration
06/12	0/0	1/0	0	0/0min
06/13	1/6.5	0/0	10	0/0min
06/14	2/8.4	0/0	0	0/0min
06/15	2/7	0/0	0	0/0min
06/16	6/8.3	0/0	0	0/0min
06/17	1/6	0/0	0	0/0min
06/18	--/--	--/--	--	--/--
Overall	12/7.8	1/0	10	0/0min

