

Insulin Pump Overview

MEDTRONIC MINIMED 670G WITH GUARDIAN CGM



Pros:

- Integrates with Guardian Connect CGM and smart phones
- Data from Guardian Connect CGM is displayed on pump screen
- Auto Basal Mode: basal rates are adjusted up and down based on CGM readings
- Auto Shut Off: when blood sugar is low, the pump will stop basal for 2 hours to prevent severe lows
- Integrated Blood Sugar Meter: Can be used as a remote control for bolusing
- Frequently used boluses and temp basal rates can be stored as “presets”
- Waterproof
- **Only pump currently covered by AHCCCS insurance**

Cons:

- Requires 4 finger sticks per day to use Auto Basal Mode
- Insertion device for CGM is cumbersome and time-intensive to put on
- Have to remember to recharge transmitter every 6 days

T-SLIM



Pros:

- Only touch screen option available
- Compact and thin in size
- Fastest bolus entry available on the market
- Integrates with Dexcom G5 CGM – Basal IQ function includes suspend when low
- Holds up to 480u of insulin at one time

- Pump charges – there are no disposable batteries
- Can use temp basal option up to 250% and 72 hours
- Alert for high temperatures
- Secondary basal programs can be linked with secondary bolus programs

Cons:

- Unlock procedure required to perform any programming
- No attachment clip – must put in a case that has a clip or in a pocket
- Can't use third party infusion sets
- Does not link with any meter
- Requires charging every 1-2 weeks

OMNI POD



Pros:

- Only pump available with no tubing
 - Forced pod change reduces chances of lipodystrophy
 - Pump is watertight
 - Can preset temp basals and boluses
 - Links with Freestyle meter
- Not currently integrated with any CGMs on the market
 - Links with iPhone technology

Cons:

- Pod creates a “bulge” on the skin
- Only one cannula orientation/length available
- Max reservoir volume is 200u, minimum fill volume is 85u
- Pod stops working after 72 hours (plus short grace period)
- Any pod error requires complete pod replacement
- Pod does not have vibrate option
- Must suspend when changing basal settings
- Temp basal limited to 12 hours
- Insulin-to-carb ratios in whole units only

ANIMAS



Animas has been discontinued and will no longer be available for purchase.