

MiniMed® 640G System®

BREAKTHROUGH TECHNOLOGY THAT THINKS ABOUT YOUR PATIENTS' GLUCOSE CONTROL



Insulin pump therapy is an effective way to provide your patients with better control and outcomes. Both lead to higher patient satisfaction and adherence to treatment plans.

By recommending insulin pump therapy to your patients, you could see a significant improvement in their HbA1c and a reduced occurrence of long-term complications.

Insulin Pump Therapy has been shown to enable reductions in HbA1c of 0.9% when compared to MDI.¹ The STAR 3 study has further demonstrated the additional benefit of using sensor augmented pump therapy to further reduce HbA1c.

In this study the average reduction in HbA1c was 1.2% in the participants who used CGM for more than 80% of the time as compared to MDI patients.³



Insulin pump therapy patients are **four times** more likely to achieve their HbA1c goals compared to those on MDI.¹

Your patients can experience a decreased risk of long-term complications:⁴



Cardiovascular damage: **Reduced up to 41%**



Nerve damage (neuropathy): **Reduced up to 60%**



Kidney damage: **Reduced up to 54%**



Eye damage (retinopathy): **Reduced up to 63%**

You think about helping your patients achieve better glucose control. Their system should, too.

You want your patients to achieve tight glucose control and avoid hypoglycaemia. What if you could prescribe an insulin pump system that could help them do just that?

The MiniMed® 640G System[^] features exclusive SmartGuard[™] technology that actually thinks* about your patients' diabetes and helps them follow your prescribed therapy plan.

MiniMed® 640G System[^]



ABOUT PROTECTION



MiniMed® 640G is our most advanced diabetes management system available with SmartGuard™ technology.

MiniMed® 640G combines the intelligence of SmartGuard™ with the performance of Enlite™, to help mimic more⁸ of the functions of a healthy pancreas. The result is an integrated technology that helps you and your patients manage highs and lows.

CONTINUOUS GLUCOSE MONITORING (CGM)

Integrated CGM makes diabetes management more informative for you and more actionable for your patients.⁹

With Guardian[™] 2 Link and Enlite[™] sensor, your patients can:

- Accurately and continuously monitor glucose levels
- Comfortably wear the sensor for up to six days
- Be alerted before sensor glucose is above or below user-set limits
- CGM identifies up to four times as many serious glucose excursions as compared to self-monitoring with a blood glucose meter.¹⁰
- Enlite[™] detected 98 percent of hypoglycaemic events.^{†,11}
- 8/10 8 out of 10 users reported not feeling the Enlite™ sensor under their skin at all.⁷
- 8 out of 10 who used Enlite™ with their insulin pump felt more confident in managing highs and lows.⁷

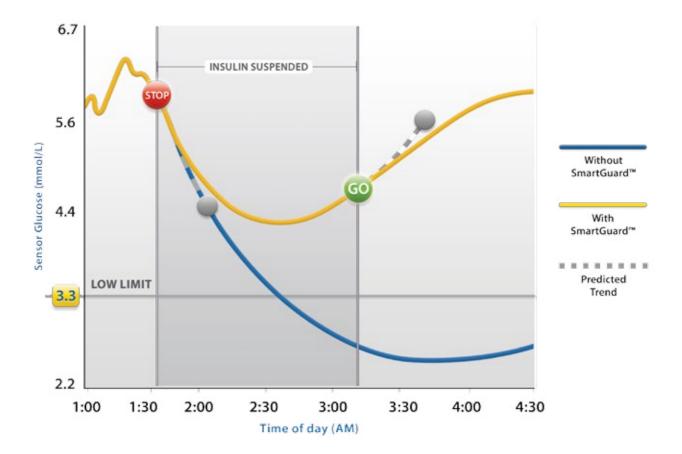
ADVANCED PROTECTION WITH SMARTGUARD™

The goal of the latest SmartGuard™ advancement was to optimise¹² the system's ability to help patients:

- Prevent severe hypoglycaemic episodes by automatically stopping insulin when sensor glucose is predicted to approach a low limit¹³
- Avoid hyperglycaemic rebound, resuming insulin delivery when levels recover¹⁴
- Better protect against lows throughout the day and night with multiple limit settings
- Dynamically stopping insulin delivery reduces the length and severity of low glucose levels. 15,16
- 93% percent of those who used a suspend feature in their pump felt more secure managing their diabetes.¹⁷

How SmartGuard™ works in the MiniMed® 640G

(for illustration purposes only)



- SmartGuard™ suspends basal insulin delivery because sensor glucose is predicted to be approaching the preset low limit in 30 minutes.¹³
- Basal insulin delivery automatically resumes because sensor glucose is above the preset low limit and trending upwards.¹⁴

IMPORTANT:

Your patient may also manually resume insulin delivery at any time.



MiniMed® 640G was inspired by years of feedback from patients and healthcare professionals like you, who want technology to be smart — and easy to use.

GREATER¹⁹ CONVENIENCE



MORE INFORMATIVE²⁰
BOLUS WIZARD™ CALCULATOR



PROGRAMMABLE TREATMENT REMINDERS



REMOTE BOLUS FROM METER



SIMPLE-TO-SET PRESET BOLUS AND BASAL PATTERNS



LOUDER¹⁹, VOLUME-ADJUSTABLE ALERTS



Intuitive to Learn

MiniMed® 640G has an intuitive interface that helps your patients learn and follow the therapy plans you prescribe. In a recent study¹8, on average, those who were trained on the MiniMed® 640G pump:



Found it very intuitive



Felt confident using the pump



Found it easy to access critical information and perform common tasks

IMPROVED DESIGN



WATERPROOF AT 3.6 METRES FOR UP TO 24 HOURS (IPX8)²¹



FULL-COLOUR, AUTO-BRIGHTNESS DISPLAY



INTUITIVE SCREEN NAVIGATION



ERGONOMIC DESIGN FOR RIGHT-AND LEFT-HANDED USERS

MiniMed® 640G is available in five accent colours.













Give your patients technology that thinks.

Contact your Medtronic representative to learn more about MiniMed® 640G, technology that thinks about your patients' glucose control.

A SMART PARTNER FOR DIABETES MANAGEMENT



CONTOUR® NEXT LINK 2.4 from Bayer — the only meter that links to the MiniMed® 640G System[^] to help your patients achieve better glucose control.²²

BETTER OUTCOMES FOR PATIENTS

The Contour® Next LINK 2.4 meter uses the Contour® Next test strip, the newest strip technology from Bayer, to provide your patients with accuracy⁵ and performance.



No Coding™ Technology

Removes the need for patients to code the meter manually, preventing miscoding errors that could produce inaccurate results (by as much as 4.0 mmol/L).²³



Multipulse™ Accuracy Technology

Ensures more accurate glucose measurements, even when blood glucose levels are low vs. Contour® LINK. Provides accuracy unaffected by many common interfering substances and medications.²⁴



CONTOUR® NEXT test strips

Provides accurate blood glucose readings for your patients. Exceeds ISO 15197:2013 minimum accuracy requirements in the lab.^{25,26}

	With the Contour® Next LINK 2.4 meter system ^{25,26 Δ‡ §}			
ISO Standard	< 5.6 mmol/L Within ±0.83 mmol/L	> 5.6 mmol/L Within ± 10%	< 5.6 mmol/L Within ±0.83 mmol/L	> 5.6 mmol/L Within ±15%
2013 (section 6:3)	98.4%	99.3%	100%	100%
2013 (section 6:3)	Parkes-Consensus Error Grid results: 100% of the results fall within zone A (having no effect on clinical action) ^{23,25,26}			



EASY MANAGEMENT FOR PATIENTS

The Contour® Next LINK 2.4 meter wirelessly connects to the MiniMed® 640G System[^] and provides your patients added convenience to manage their diabetes effectively.



Remote Bolusing

Seamlessly connects to MiniMed® 640G and discreetly sends bolus commands to the pump.



Automatic Transfer

Automatically sends blood glucose values to the Bolus Wizard[™] feature on MiniMed[®] 640G, helping to ensure easier bolus dosing.



Easier Sampling

Features Sip-In Sampling[™] technology that automatically draws blood into the test chamber. Offers Second-Chance[™] sampling that allows patients to add more blood if initial samples are insufficient.

SMARTER TRACKING

The Contour® Next LINK 2.4 meter connects to Medtronic CareLink® therapy management software, allowing your patients to track their blood glucose control in greater detail.



Medtronic CareLink® upload

Conveniently allows your patients to upload both their meter and pump information to Medtronic CareLink® software, which provides you with detailed logs to optimise therapy adjustments.



Has been shown to help reduce HbA1c among users,²⁷ which can lead to reductions in complications



Detailed, easy-to-interpret glucose trend reports conveniently allow you to review patient events and trends



CARELINK® PERSONAL

- Convenient online tool that brings together critical information from diabetes monitoring devices:
 - Medtronic insulin pump
- Continuous glucose monitoring system
- Blood glucose meter
- Serves as a virtual logbook so your patients can accurately track insulin intake and glucose levels, making it easier to compare any changes in glucose levels with daily activities, such as meals and exercise routines.
- Charts and graphs allow you to see the changes visually, while tables provide the actual numeric values.

CARELINK® PROFESSIONAL

CareLink® Pro is a diabetes therapy management software for a personal computer (PC):

- Allows you to acquire, store, and report patient treatment and diagnostic data.
- You can also use it to access pump, meter, and sensor-based glucose data your patients have uploaded to CareLink® Personal.
- CareLink® Pro interfaces with the CareLink® Personal system, allowing access to device data patients have stored there. This is ideal for creating current reports between office visits, and may make the need to read device data during office visits unnecessary.



CARELINK® PROFESSIONAL REPORTS

1. Adherence Report

Enables targeted patient conversations for faster resolution of care

Visual

Description

This report presents patient behaviour data for a selected period.

It provides a review of a patient's adherence according to the indices of glucose measurements, bolus events, and insulin pump activities.

2. Log Book

Visual glycaemic profile for quick reference

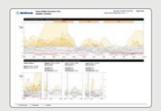


This report presents meter glucose, carbohydrate, and insulin data for each hour of a selected period.

It provides a diary of events recorded hourly, as well as daily averages and totals.

3. Sensor and **Meter Overlay**

Joins the dots in faster time period



This report summarizes meter glucose (and sensor glucose, if applicable), carbohydrate, and insulin data for a selected period.

It provides an overview of a patient's glycaemic control (daily, overnight, and at meal times) and comprehensive statistical data.

4. Device Settings

A baseline reference dynamic with each download



This report presents the settings of a patient's insulin pump or Guardian™ monitor at the time of a selected upload.

It can be used to help interpret other reports or simply to document a patient's device settinas.

5. Daily Detail

Reports on a daily basis to explain the 'WHY'



This report presents detailed data from a patient's insulin pump, blood glucose meter and glucose sensor (if used) for one day.

It provides insight into a patient's glycaemic control, including response to carbohydrate intake and insulin use.

6. Therapy **Dashboard**

'ONE STOP SHOP' linking all aspects of insulin effect on glucose profile



These reports provide a summary of the patient's glucose, carbohydrate, and insulin data for the selected period. It provides an overview of a patient's glycaemic control (daily, overnight, and at meal times) and comprehensive statistical data.

7. Episode Summary

Provides suggestions for prioritised fine tuning



The report also provides a summary of hypoglycaemic and hyperglycaemic patterns that are 30 minutes or more in duration and details of these episodes, including a description of events preceding episodes of low and high glucose.





Give your patients technology that thinks

Contact your Medtronic representative to learn more about MiniMed® 640G, technology that thinks about your patients' glucose control.







Web: www.medtronic-diabetes.com.au Email: australia.diabetes@medtronic.com

Facebook: www.facebook.com/MedtronicDiabetesAUS **Twitter:** @DiabetesANZ **YouTube:** Medtronic Diabetes ANZ **Address:** Medtronic Australasia Pty Ltd, 97 Waterloo Road, North Ryde NSW 2113 Australia **Mail:** Medtronic Diabetes, PO Box 945, North Ryde, NSW 1670 **Telephone:** 02 9857 9000 **Facsimilie:** 02 9857 9237 **24-hour Toll Free:** 1800 777 8087

References: ^Components sold separately, Automated insulin delivery is made possible through combining Meditronic insulin pump and continuous glucose monitoring technology, within 30 minutes of event, both Low Glucose Limit and Low Predictive alerts ON; with 31 percent false alert rate, calibrating 3-4 times daily, ALSO 15197-2013 section 6.3 requires 95% of results to fall within ±0.83 mmol/L. Dia alboratory reference value for blood glucose concentrations >5.6 mmol/L. or within ±15% of alaboratory reference value for blood glucose concentrations >5.6 mmol/L. Ninety-nine percent of individual glucose measured values are required to fall within zones. A and 8 of the Parkes-Consensus Error Grid for type 1 diabetes. Shaded areas are results per 150 standard system accuracy performance criteria.* Shotal diata shown. — Please note in contacting the Diabetes Toll Free, your patients' personal and health information may be disclosed to an operator located outside Australia. "Thinks' refers to the data retrieval, processing and computing capabilities found in the MiniMed" 6406 issulin pump, continuous glucose menter and Medetronic Carelinie* therapy management software, both collectively and individually. This system and its computing capabilities are part of, but not replacement for, your daily diabetes management. A confirmatory fingerstick is still required prior to making adjustments to diabetes therapy. I. Doyle EA, et al. A randomized prospective trail comparing the efficacy of insusin pump therapy with multiple daily injections using insulin glargine. Diab Care. 2004;27(7)1554-1558. 2. Pickup J.C. Insulin-Pump Therapy for Type 1 Diabetes Mellitus. NEIM. 2012. 3. Bergenstal RM, et al. Sensor-Augmented Pump Therapy for AIC Reduction (STAR3) Study N Engl. J Med. doi:10.1056/NEIMoa1002853. 4. The Diabetes Control and Complications in insulin pump therapy individually. The system of the complex process of the complex process

Safety Information: MiniMed® 640G Insulin Pump is indicated for the continuous delivery of insulin, at set and variable rates, for the management of diabetes mellitus in persons requiring insulin. In addition, the Enlite™ glucose sensor is indicated for continuous or periodic monitoring of glucose levels in the fluid under the skin, and possible low and high blood glucose episodes. The pump displays continuous glucose values and stores this data so that it can be analysed to track patterns and improve diabetes management. Pump history can be downloaded to a computer for analysis of historical glucose values. The continuous glucose values provided by the MiniMed® 640G insulin pump are not intended to be used directly for making therapy adjustments. Rather, they provide an indication that a confirmation fingerstick measurement may be required. All therapy adjustments should be based on measurements obtained using a home glucose monitor and not based on the value displayed by the pump. Safety Information: Medtronic CareLink® software is intended for use as a tool to help manage diabetes. The purpose of the software is to take information transmitted from insulin pumps, glucose meters and continuous glucose monitoring systems, and turn it into Medtronic CareLink® reports that can be used to identify trends and track daily activities—such as carbohydrates consumed, meal times, insulin delivery, and glucose readings. Medtronic CareLink® report data is intended for use as an adjunct in the management of diabetes only and NOT intended to be relied upon by itself. Patients should consult their healthcare professionals familiar with the management of diabetes prior to making changes in treatment.

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