



MiniMed™ 640G System

OUR MOST ADVANCED BREAKTHROUGH IN GLUCOSE CONTROL



« it thinks »

it thinks



Glucose control is a balancing act.

Diet affects your control. Even your stress levels and exercise affect it. You need a system that gives you better control. You need a system that thinks.

The MiniMed™ 640G features breakthrough technology that actually thinks about your diabetes.*

Our **complete system** can guide you toward better control.¹

GUARDIAN™ 2 LINK AND ENLITE™

Continuously monitor your glucose levels with accuracy² and comfort³ with our most responsive sensor system yet.⁴ Glucose levels are automatically displayed on MiniMed 640G for easy viewing day and night.



CONTOUR® NEXT/PLUS LINK 2.4*

Wirelessly send blood glucose results and deliver an insulin bolus discreetly from your meter through your MiniMed 640G.



CARELINK™ PERSONAL

Conveniently track your glucose control and share this information remotely with your healthcare professional.



*"Thinks" refers to the data retrieval, processing and computing capabilities found in the MiniMed 640G insulin pump, continuous glucose monitoring system (Guardian 2 Link and Enlite sensor), CONTOUR NEXT LINK 2.4 blood glucose meter and CareLink 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.

* Check with your local Medtronic Representative on meter availability. Meter compatible with MiniMed 640G insulin pump is the Contour Next Link 2.4 and Contour PLUS Link 2.4 from Bayer.

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- » About your protection
- » About your day

MINIMED 640G WITH SMARTGUARD™

The system center provides personalized insulin delivery and revolutionary protection from hypoglycemic episodes.⁵



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ABOUT YOUR PROTECTION



You never want to guess about your glucose levels.

Between monitoring your HbA1c and preventing dangerous lows, managing diabetes requires constant attention. The MiniMed 640G system thinks about keeping you safe.

CONTINUOUS GLUCOSE MONITORING (CGM)

Knowing where your glucose levels are and where they are headed is essential to avoiding lows and maintaining good control. Our CGM technology continuously monitors your glucose levels and alerts you before they go too high or too low.



98 percent of hypoglycemic events were **detected** by the Enlite sensor.^{*, 6}



An integrated insulin pump and CGM system is **proven to lower** your HbA1c without increasing your risk of going low.^{1, 7}

SMARTGUARD™ TECHNOLOGY

Our exclusive SmartGuard technology is a revolutionary breakthrough in diabetes control. The latest advancement of SmartGuard mimics some of the functions of a healthy pancreas by automatically stopping insulin delivery when your sensor glucose is predicted to approach a low limit—and resuming delivery when your levels recover.^{** , 8}



Dynamically stopping insulin delivery is **proven to reduce** the length of low glucose levels, as well as the number of nighttime hypoglycemic events.^{5, 9}



93 percent of those who used a suspend feature in their pump **felt more secure** managing their diabetes.¹⁰

* 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.

** Must be using Guardian 2 Link with Enlite to enable the SmartGuard feature on the MiniMed 640G insulin pump. A confirmatory fingerstick is still required prior to making adjustments to diabetes therapy.



it thinks

ABOUT YOUR DAY



Diabetes is already complicated. Your system shouldn't be.

Regularly testing your glucose. Calculating your insulin dose. Logging your results. There's a lot to think about to maintain daily glucose control. The MiniMed 640G system thinks about how to make your day easier.



IMPROVED, INTUITIVE DESIGN

The bold, new design of the MiniMed 640G was inspired by years of feedback from people like you, who want their technology to be smart — and easy to use.

MiniMed 640G is available in five accent colors.



WATERPROOF (IPX8)¹¹



FULL-COLOR, AUTO BRIGHTNESS DISPLAY



INTUITIVE MENU NAVIGATION



DESIGNED FOR BOTH RIGHT- AND LEFT-HANDED USERS



TREATMENT REMINDERS



LOUDER,¹² VOLUME-ADJUSTABLE ALERTS



WORLD-CLASS SERVICE AND SUPPORT

BOLUS WIZARD™

The Bolus Wizard feature automatically calculates and recommends correct insulin doses,¹³ so you can manage your insulin more conveniently and precisely. It can help reduce mistakes that occur when you're tired or distracted.

PERSONALIZED SETTINGS

MiniMed 640G helps you closely match your insulin needs to your daily routine. You can set friendly reminders or personalized bolus doses and basal patterns. The simple home screen and menu layout minimize steps needed to manage your diabetes, so you can focus more on your day.

EXCLUSIVE BLOOD GLUCOSE METER

CONTOUR NEXT/PLUS LINK 2.4* from Bayer is the only blood glucose meter that wirelessly links to the MiniMed 640G system. Its proven¹⁴ testing accuracy and slim, innovative design can help make your day easier.



WIRELESS CONNECTION TO PUMP



REMOTE BOLUS



CARELINK DATA UPLOAD

**With diabetes, there's a lot to think about.
Let our technology help.**

Talk to your healthcare provider or a Medtronic Diabetes Representative today to learn more about glucose control technology that thinks.

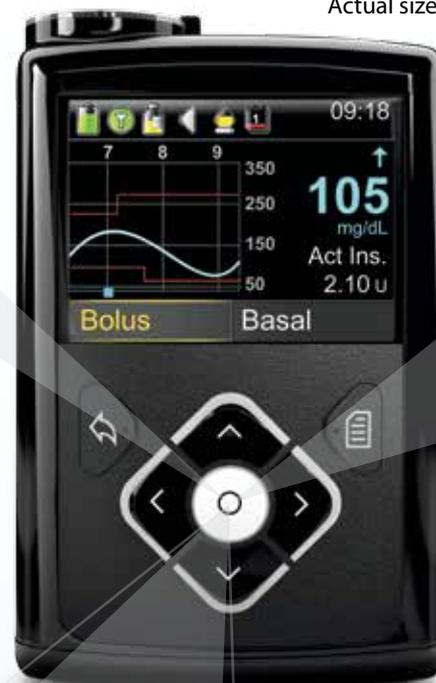
Call your local Medtronic Representative for more information.

Our experienced customer support professionals understand diabetes and are product experts. They are always available to help answer your questions and help you achieve the glucose control you desire.

Middle East and North Africa
 Medtronic Mediterranean S.A.L
 Beirut, Lebanon
 Tel: +961 1 370 670



Actual size



References and Endnotes

1. Compared to multiple daily injections, according to the STAR 3 clinical study: Bergenstal RM, Tamborlane WV, Ahmann A, et al. Effectiveness of sensor-augmented insulin-pump therapy in type 1 diabetes. *N Engl J Med.* 2010;363:311–320. 2. MiniMed 640G with Enlite has a MARD of 14.2 percent [Enlite Sensor Performance Report] when calibrated 3-4 times daily. 3. U.S. Enlite Clinical Study Customer Satisfaction Survey. Data on File. Medtronic MiniMed, Inc., Northridge, CA. 4. Product Specification. Data on File. Medtronic MiniMed, Inc., Northridge, CA. 5. Bergenstal RM, Klonoff DC, Bode BW, et al. Threshold-based insulin-pump interruption for reduction of hypoglycemia. *N Engl J Med.* 2013;369(3):224-232. 6. Enlite Sensor Performance Report. 7. Battelino T, Conget I, Olsen B, et al. The use and efficacy of continuous glucose monitoring in type 1 diabetes treated with insulin pump therapy: a randomized controlled trial. *Diabetologia.* 2012;55:3155-3162. 8. The dynamic suspend feature is based on certain criteria: sensor glucose must be at or within 70 mg/dL (3.9 mmol/L) above the low limit and predicted to be 20 mg/dL (1.1 mmol/L) or less above the low limit within 30 minutes AND the pump must not be in the refractory period. The dynamic resume feature is based on certain preset criteria: sensor glucose must be at least 20 mg/dL (or 1.1 mmol/L) above the preset low limit and predicted to be greater than 40 mg/dL (or 2.2mmol/L) above within 30 minutes AND insulin must have been suspended for at least 30 minutes. 9. Agrawal P, Welsh J, et al. Usage and effectiveness of the low glucose suspend Feature of the Medtronic Paradigm Veo Insulin Pump. *Diabetes Sci and Tech.* 2011;5:1137-1141. 10. User Evaluations. Data on File, Medtronic MiniMed, Inc., Northridge, CA. 11. At time of manufacture up to 12 feet (3.6 meters) for up to 24 hours at a time. See MiniMed 640G User Guide for a complete description of the waterproof capabilities and proper use instructions. 12. Compared to Medtronic MiniMed Paradigm™ Veo™ system. 13. Calculation is based on the amount of insulin currently in the body, the amount of carbohydrates, the user's current and target blood sugar levels, their insulin-to-carb ratio and their body's sensitivity to insulin. Proper Bolus Wizard setup must be completed first. Users must input the number of carbohydrates they are eating and their current blood glucose value before the Bolus Wizard can calculate the insulin users should take. 14. Section 8 clinical study. Data on File. Bayer Healthcare, LLC.

Safety Information: MiniMed 640G

The MiniMed™ 640G Insulin Pump system 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 system is indicated for continuous or periodic monitoring of glucose levels in the fluid under the skin, and possible low and high glucose episodes. When using a sensor and transmitter, the pump displays continuous sensor glucose values and stores this data so that it can be analyzed to track patterns and improve diabetes management. This data can be downloaded to a computer for analysis of historical glucose values. The continuous sensor glucose values provided by the MiniMed™ 640G insulin pump system 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: CareLink: 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 CareLink reports. The reports provide information that can be used to identify trends and track daily activities, such as carbohydrates consumed, meal times, insulin delivery, and glucose readings. NOTE: 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 providers familiar with the management of diabetes prior to making changes in treatment. **For more details, please consult the appropriate CareLink User Guide.**

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