

# MINIMED® 640G WITH SMARTGUARD™ GIVES YOU CONFIDENCE TO **TAKE CONTROL** OF YOUR DIABETES



## AN INTRODUCTION TO **INSULIN PUMP THERAPY**

Medtronic

# OUR MOST ADVANCED **BREAKTHROUGH** IN GLUCOSE CONTROL

You think a lot about controlling your glucose levels, but it's challenging because your levels can be affected by diet, stress and exercise. What if you had a system that could give you better control? What if you had a system that could think?

The MiniMed 640G features innovative technology that thinks about your diabetes and helps you achieve better glucose control.†

By switching to a MiniMed 640G Insulin Pump System<sup>^</sup>, you replace the need for multiple daily injections, and can have better control over your glucose levels. This makes it easier to do things like eating out, sleeping in on weekends, playing sports and travelling abroad for trips or holidays.

## **REDUCE INJECTIONS TO ONE EVERY THREE DAYS\***

An insulin pump can help achieve better glucose control than multiple daily injections<sup>1</sup>. The MiniMed 640G insulin pump delivers fast-acting insulin 24 hours a day. It does this by using a needle to introduce an infusion set, a short soft tube (called a cannula) that sits comfortably under the skin.



### **INSULIN DELIVERY**

Medtronic offers a wide range of infusion sets so that you can choose the right infusion set for your comfort and safety.



### **CONTINUOUS GLUCOSE MONITORING**

The Enlite<sup>™</sup> sensor provides a reliable<sup>2</sup> CGM experience for you.<sup>3</sup>



### **THERAPY MANAGEMENT TOOLS**

CareLink<sup>™</sup> Pro software includes insightful trend reports and therapy considerations to help you make informed treatment decisions for you.



actual size



### **BLOOD GLUCOSE TESTING**

CONTOUR<sup>™</sup> NEXT LINK 2.4 meter links wirelessly to MiniMed 640G and provides proven<sup>4,5</sup> testing accuracy and discreet remote bolusing.

# HAVE YOU CONSIDERED **THE REAL IMPACT HYPOS HAVE** ON YOUR LIFE?

AN ESTIMATED  
**1 HOUR**  
**EVERY**  
**DAY IS LOST**  
TO THE MANAGEMENT OF  
HYPOGLYCAEMIA.<sup>6</sup>



HYPOGLYCAEMIC  
EVENTS CAN  
RESULT IN THE  
LOSS OF YOUR  
**DRIVERS  
LICENCE**<sup>7</sup>



**2**  
OUT OF  
**3**<sup>8</sup>

HYPO EVENTS  
HAPPEN  
AT NIGHT.

"After a hypo I'm  
really tired and can't  
concentrate at all."

# GIVING YOU CONFIDENCE TO TAKE CONTROL OF HYPOS

MiniMed 640G with SmartGuard delivers  
**advanced protection** from hypos

## CAN HELP PREVENT SEVERE HYPOGLYCAEMIC EPISODES

SmartGuard will automatically stop insulin delivery when sensor glucose is predicted to approach a low limit.

## CAN HELP AVOID HYPERGLYCAEMIC REBOUND

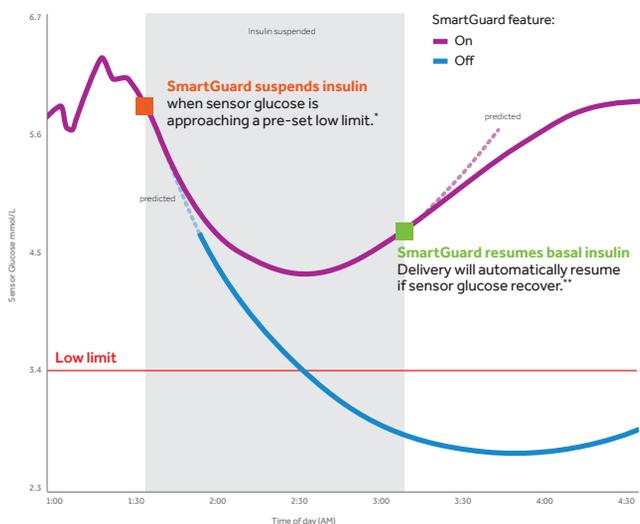
SmartGuard will resume insulin delivery when levels recover.

## BETTER PROTECTION AGAINST LOWS

With SmartGuard you can set multiple low limits throughout the day and night.

"With SmartGuard we can get an undisturbed night's sleep when the CGM is used."

## HOW SMARTGUARD WORKS



\*The dynamic suspend feature is based on certain criteria: sensor glucose must be within 3.9mmol/L of the low limit and predicted to be 1.1mmol/L 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 1.1mmol/L above the preset low limit and predicted to be 2.2mmol/L above within 30 minutes AND insulin must have been suspended for at least 30 minutes.



# GET THE FULL PICTURE WITH **CONTINUOUS GLUCOSE MONITORING (CGM)**

## HOW DOES IT WORK?

A small Guardian™ 2 Link transmitter attaches to the sensor and wirelessly transmits glucose data to your pump. This information is updated every five minutes. The advantage is that you can see what your current glucose level is, as well as enabling your pump to alarm when you are likely to have a low or a high, day or night. Even if you sleep through the alarms, the pump will automatically suspend insulin delivery if you are predicted to reach your pre-set low levels, via our SmartGuard™ Technology.ˆ

CGM works with fingerstick testing to guide insulin adjustments. Although fingersticks are still necessary for calibration with blood glucose, the CGM sensor will provide you with up to 288 readings a day (every 5 minutes), giving you real-time information. The small glucose sensor is worn under the skin and measures your interstitial glucose (glucose between the body's cells). This sensor is disposable and can be worn for up to six days.

## COMPACT AND COMFORTABLE

Your CGM sensor can be worn day or night and you can leave it on to shower, play contact sport, swim, or go out to dinner. The slim design enables the sensor to be worn comfortably and discreetly.

You can stay informed about your glucose levels and can take corrective action if needed. These results can be made available to your health care team, via our unique Medtronic CareLink® software to assist with making therapy adjustments.

**MINIMED 640G  
WITH SMARTGUARD CAN  
HELP PREVENT OVER**

**80%**<sup>9</sup>

**OF HYPOGLYCAEMIC  
EVENTS WITHOUT  
SIGNIFICANT INCREASE  
IN HYPERGLYCAEMIA.**

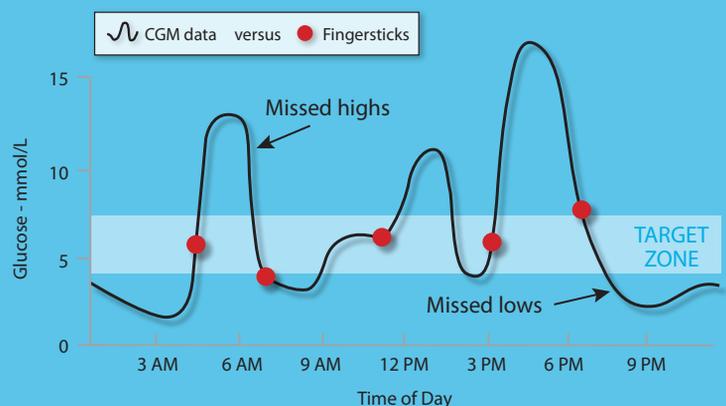


Illustration purposes only

# DO YOU FEEL LIKE YOU ARE **MISSING OUT?**



ARE YOU TIRED  
OF CONSTANTLY  
**INJECTING**  
MULTIPLE TIMES  
**EVERY DAY?**



ARE YOU TIRED OF  
**EATING**  
MORE CARBS  
BEFORE OR  
**DURING**  
**EXERCISE?**

ARE YOU  
**EMBARRASSED**  
TO MANAGE YOUR  
DIABETES WHILE  
EATING WITH  
**FRIENDS**  
AND YOUR  
**FAMILY?**



"I just want to  
lead a normal  
and fulfilling life."

# GIVING YOU CONFIDENCE **TO TAKE CONTROL** OF YOUR DIABETES

MiniMed 640G delivers **greater convenience**

## **EASY MEAL DOSING**

The Bolus Wizard feature automatically calculates and recommends insulin doses<sup>††</sup> for meals, so you can manage insulin more conveniently and precisely.

## **AVOIDS TOO MUCH INSULIN**

MiniMed pumps track and display insulin that is still in the body to help you avoid taking more insulin than needed.

## **PERSONALISED SETTINGS**

MiniMed 640G has tools to help match your insulin needs to your daily routine. You can set friendly reminders or personalised basal and bolus patterns. Adjustable audio options mean you can be notified of alerts in a discrete manner.

**3** OUT  
OF **4**

PEOPLE CHOOSE A  
**MEDTRONIC**  
**PUMP<sup>6</sup>**



# GIVING YOU CONFIDENCE **TO TAKE CONTROL** OF YOUR LIFE

MiniMed 640G delivers **improved design**

## **FEWER INJECTIONS VS. MDI**

Using an insulin pump you only need to change the infusion set once every three days.

## **FLEXIBILITY**

Easy adjustment and pre-setting of insulin delivery for exercise and other activities.

## **BOLUS REMOTELY\***

You can easily and discreetly bolus for snacks with the CONTOUR™ NEXT LINK 2.4 meter.

## **WATER PROOF DESIGN\***

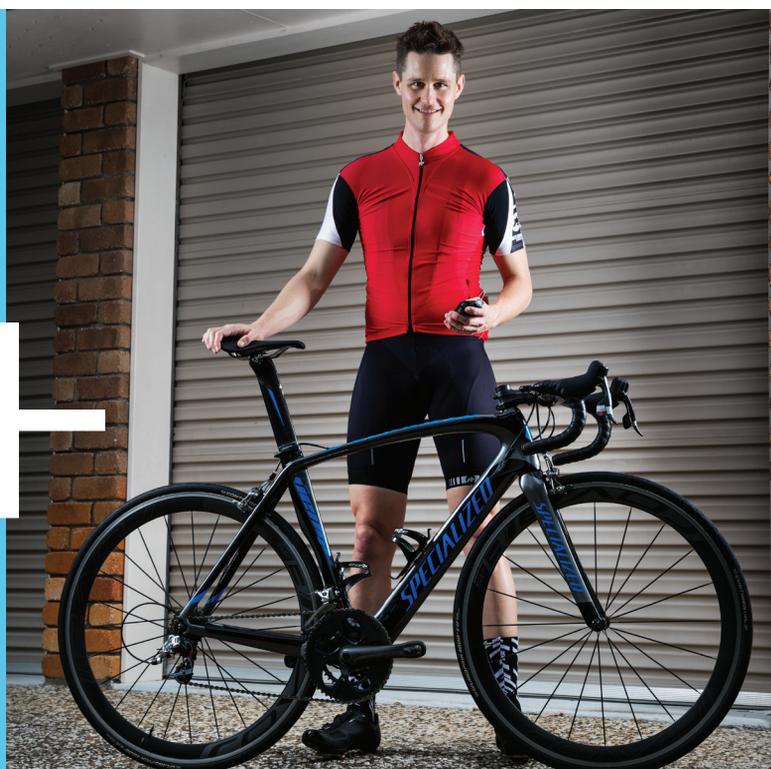
Enjoy water activities.

## **FULL COLOUR SCREEN**

Experience easy readability day and night with the full colour light adjusting display.



**90%**  
FEWER  
**INJECTIONS\***



# MEDTRONIC CARELINK® PERSONAL SOFTWARE

Our three-step approach to diabetes management is fully integrated. Your Medtronic pump will wirelessly connect to your Bayer CONTOUR® NEXT LINK 2.4 blood glucose meter and Continuous Glucose Monitoring, meaning all data is stored conveniently on your pump. With one simple upload, you and your healthcare team can make adjustments to your therapy in person, or remotely.

- Have greater control by understanding the effects of insulin, carbs and exercise on your glucose levels.
- Work more productively with your healthcare professional by sharing detailed reports and making therapy and lifestyle changes.
- Get the full picture with CGM data by revealing more low or high glucose patterns than fingerstick testing alone.

## UNCOVERING PATTERNS AND TRENDS TO MAXIMISE THERAPY

Understanding the effects of insulin dosage, meals, exercise and medication on glucose levels plays an important part in helping to improve diabetes control. Seeing these relationships in chart, graph and table formats allows you to better identify patterns and problems that will help you and your healthcare professional figure out the root cause of your low and high blood glucose levels. Maximise your therapy with Medtronic CareLink® Personal Software.



# WHAT DOES INSULIN PUMP THERAPY COST?

In Australia if you have private health insurance covering insulin pumps, you will generally be eligible for full reimbursement of the insulin pump by your health fund. The cost of premiums for similar levels of cover may vary between funds.



Medtronic infusion sets and reservoirs are available from the National Diabetes Services Scheme (NDSS) for \$25-\$30 per month. There are criteria that you must meet to be eligible for insulin pump consumables through the NDSS. An NDSS online registration form also needs to be completed and signed by your Endocrinologist or Credentialed Diabetes Educator before being sent to Diabetes Australia.

Your healthcare team should advise you of the appropriate infusion set and reservoir for your pump. From July 1, 2016 you will need to order insulin pump consumables through your local community pharmacy.

## BRIDGING THE GAP

If you're in the interim 'waiting period' for private health cover benefits and would like to commence insulin pump therapy now, you may be eligible for Medtronic's Bridging the Gap loan pump program.

To be eligible, you must:

- Have a private health insurance policy covering insulin pumps.
- Be diagnosed with Type 1 diabetes
- Meet the National Diabetes Support Scheme (NDSS) criteria for insulin pump consumables ([ndss.com.au](http://ndss.com.au))
- Be under the supervision of a health care professional for pump therapy, eg. Endocrinologist or Paediatrician
- Agree to upgrade to a Medtronic insulin pump, once the waiting period has been served

For further information on this program consult your diabetes educator or contact Medtronic.

# WE'RE HERE **TO HELP**

At Medtronic, we're here **for you at every stage** of your journey with your MiniMed 640G insulin pump.

From your very first appointment, through training and ongoing support, we consult closely with you to make sure you can adapt to the pump as quickly and easily as possible. It's easy to get technical support if you need it and if you ever have any questions, we're just a phone call away on our 24 hour global helpline. You can reach a member of our global helpline team on 1800 777 808.

## **SAFETY INFORMATION**

### **Medtronic Insulin Pump Therapy and Medtronic MiniMed Insulin Infusion Pumps**

Patients should always discuss the benefits and potential risks with a clinician. Please review the product's technical manual prior to use for detailed instructions and disclosure.

**Indications for use:** The 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. **Contraindications:** Insulin pump therapy is not recommended for people who are unwilling or unable to perform a minimum of four blood glucose tests per day and to maintain contact with their healthcare professional. While features exist to help facilitate pump usage, Medtronic does not recommend the use of this product by individuals whose impaired vision or hearing does not allow full recognition of the pump signals and alarms.

Patient testimonials relate an account of an individual's response to the treatment. The account is genuine, typical and documented. However, the individual's response does not provide any indication, guide, warranty or guarantee as to the response other persons may have to the treatment. The response other persons have to the treatment could be different. Responses to the treatment discussed can and do vary and are specific to the individual patient.

Always seek advice from your medical practitioner to determine your suitability for insulin pump therapy and CGM. Use as directed.

## **JOIN OUR SOCIAL COMMUNITY**

Like, follow and share our page along with your hints and experiences with other people who have diabetes. We'll keep you up to date with news, events and inspiring ideas in a positive supportive community.

**Facebook:** [facebook.com/MedtronicDiabetesAUS](https://www.facebook.com/MedtronicDiabetesAUS)

**Instagram:** [@MedtronicDiabetesAus](https://www.instagram.com/MedtronicDiabetesAus)

## **REFERENCE**

<sup>1</sup> "Thinks" refers to the data retrieval, processing and computing capabilities found in the MiniMed<sup>®</sup> 640G insulin pump, Continuous Glucose Monitoring system (Guardian<sup>™</sup> 2 Link transmitter and Enlite<sup>™</sup> sensor) Contour Next LINK 2.4 blood glucose meter and Medtronic CareLink<sup>®</sup> 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. <sup>11</sup> 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<sup>™</sup> setup must be completed first. Users must input the number of carbohydrates their current blood glucose value before the Bolus Wizard<sup>™</sup> can calculate the insulin users. <sup>6</sup> Components sold separately. <sup>7</sup> Based on the recommended insulin pump infusion set change every 2-3 days compared to 4 injections a day for 30 days. <sup>8</sup> When combined with the MiniMed 640G system and Guardian 2 Link transmitter. <sup>1</sup> The Diabetes Control and Complications Trial (DCCT) Research Group. The effect of intensive treatment of diabetes on the development and progression of long-term complications in insulin-dependent diabetes mellitus. NEJM. 1993;329(14):977-986. <sup>2</sup> Cohen, O. et al. Diabetes Technol. Ther. Feb 2016, 18(S1): A-81-82. <sup>3</sup> Choudhary, P. et al. Diabetes Technol. Ther. 2016, Vol 18 (5). <sup>4</sup> Bailey, T. et al. Clin Chim Acta 2015 Aug; 448:139-45.

<sup>5</sup> In vitro diagnostic test systems-requirements for blood glucose monitoring systems for self-testing in managing diabetes mellitus. Geneva, Switzerland: International Organization for Standardization; ISO 15197:2013. <sup>6</sup> Brod, M. JME. 2012, 15 (5) 869-877. <sup>7</sup> Roads & Maritime Service Australia. <sup>8</sup> Bergenstal, R.M. N Engl J Med. 2013, 10.1056. <sup>9</sup> Choudhary P, Olsen B, Conget I et al. Hypoglycemia prevention and user acceptance of an insulin pump system with predictive low glucose management. Manuscript accepted by DTT 2016. <sup>10</sup> Based on total number of pump consumables sold nationally, NDSS Sales Data (April 2015-April 2016). <sup>11</sup> When using the Contour NEXT Link 2.4 meter from Ascensia LTD. <sup>12</sup> Waterproof at time of manufacture up to 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. <sup>11</sup> 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<sup>™</sup> setup must be completed first, users must input the number of carbohydrates their current blood glucose value before the Bolus Wizard<sup>™</sup> can calculate the insulin users.

MINIMED® 640G  
WITH SMARTGUARD™  
GIVES YOU CONFIDENCE  
**TO TAKE CONTROL**  
OF YOUR DIABETES

Talk to your healthcare professional  
today to take control of your diabetes.

ADVANCED  
PROTECTION

GREATER  
CONVENIENCE

IMPROVED  
DESIGN



## AUSTRALIA

Medtronic Australasia Pty Ltd.

97 Waterloo Road, North Ryde NSW 2113 Australia

Mail: Medtronic Diabetes, PO Box 945, North Ryde, NSW 1670

24-hour Toll Free: 1800 777 808

australia.diabetes@medtronic.com

Facebook: [www.facebook.com/MedtronicDiabetesAUS](http://www.facebook.com/MedtronicDiabetesAUS)

Twitter: @DiabetesANZ

YouTube: Medtronic Diabetes ANZ

[www.medtronic.com.au](http://www.medtronic.com.au)

**Medtronic**