

# Medtronic

MiniMed™ 670G + dynamic algorithm  
Smartguard™ Auto Mode with  
no pre-set basal rates



Because no two days  
are the same.

# Every day is different

When it comes to your patient's insulin needs, no two days, or nights, are the same. Basal insulin requirements are as unique as each of your patients are.

The MiniMed™ 670G was designed with this in mind. It is the only available insulin pump with a dynamic algorithm. It is not based on a pre-defined, pre-set basal rate so it makes no assumptions about what your patient needs or when they need it. It automatically adjusts basal insulin based on their individual body, every day.<sup>1,2</sup>



# The dynamic algorithm

is as unique as your patients are

The MiniMed™ 670G is different. No other algorithm works like it does to deliver basal insulin based precisely on your patient's needs.



## No assumptions

No pre-set basal rate means **no assumptions** about insulin requirements.<sup>3</sup>



## Self-adjusts

Insulin readings are checked **every 5 minutes** and basal insulin delivery is adjusted based on the body's needs.<sup>3</sup>



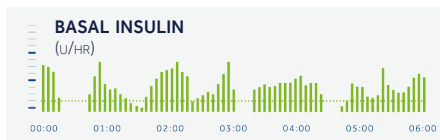
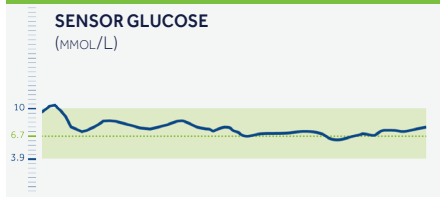
## Adapts

Every day at midnight, the dynamic algorithm recalculates and resets the total insulin dose. It **adapts** to how your patient's body works.<sup>2</sup>

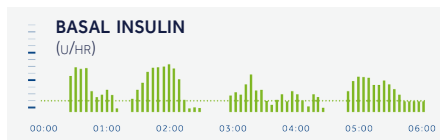
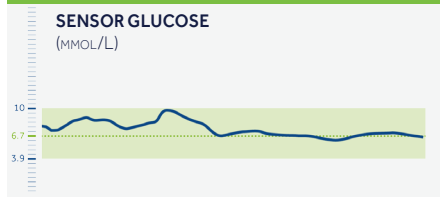
# No four nights are the same

In the following four nights of the same person, you can see the background insulin required to help keep them in range is very different each night. When you continue to deliver background insulin at a completely fixed rate, you are not addressing the fact that the actual delivery needs are variable.

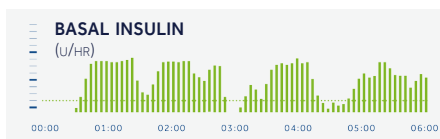
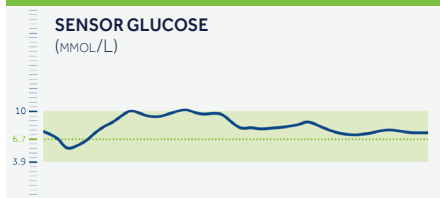
## NIGHT 1



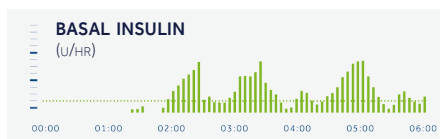
## NIGHT 2



## NIGHT 3






## NIGHT 4



Leave assumptions behind.

# Move forward with the dynamic algorithm.

	 <b>VEO™</b>	 <b>MiniMed™ 640G</b>	 <b>MiniMed™ 670G Auto Mode</b>
	2010	2015	2019
▶ Self-adjusting basal rate	✗ Pre-set	✗ Pre-set	✓ Calculated every 5 minutes
▶ Self-adjusting total daily dose/ Max basal rate	✗ Pre-set by HCP	✗ Pre-set by HCP	✓ Automatically re-calculated every midnight
▶ Self-adjusting insulin sensitivity factor	✗ Pre-set by HCP	✗ Pre-set by HCP	✓ Automatically re-calculated every midnight
▶ Helps protect against highs and lows	✗ Lows only	✗ Lows only	✓ Highs and lows

Based on your patient's needs

HCP=healthcare professional.

**References:**

1. Bergenstal RM. *et al. JAMA.* 2016;316(13):1407–1408.
2. Garg SK *et al. Diabetes Technol Ther.* 2017;19(3):155–163.
3. Protocol for hybrid closed loop technology. MiniMed™ 670G system. Medical education.

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