

Guide to Automated Insulin Delivery (AID) Systems in Australia



Updated: August 2025



This resource is designed to help you understand the key features and components, of the Automated Insulin Delivery (AID) systems available in Australia today. From the components of the system, how they upload, to what settings the algorithm (the “brain” of the system) relies on and how customisable it is.



These systems can reduce glucose fluctuations, improve time in range, and help take some of the guesswork out of daily Diabetes management.



Each AID system operates slightly differently and can be optimised in its own unique way. Understanding how each system works and aligning it with your personal preferences and lifestyle is key to achieving the best possible outcomes.

AID systems aren't a magic bullet, they don't eliminate *all* the challenges of managing Diabetes and may not suit everyone.

These systems can absolutely be life-changing for many, improving time in range and reducing mental load. *It's important to have realistic expectations that they still require effort, understanding, and regular input.*

There are many things to consider when choosing what system is best for you, such as:

- Your age and lifestyle
- Your health insurance coverage or eligibility for subsidies
- Tubed vs tubeless preference
- CGM preference
- Personal technology preferences (such as carrying a phone)
- Exercise patterns and flexibility needs
- Access to reliable internet (some systems rely on apps)



It's important to weigh up the benefits with any potential burdens, and to choose a system that fits your lifestyle, values, and goals.



The best outcomes come from finding what works best for you.

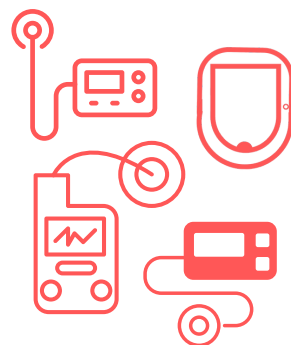
Disclaimer: This resource is intended for general educational purposes only and does not constitute medical advice. It should not be relied upon to guide personal health decisions, including medical eligibility for insulin pump therapy. Always consult your diabetes healthcare team before making any changes to your treatment plan or diabetes technology. For device-specific information, please refer to the manufacturer's official instructions for use.



1

The Pump

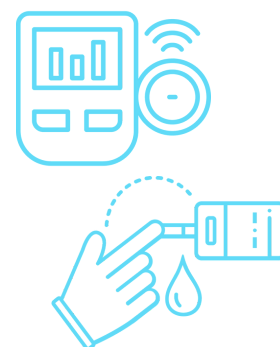
An Insulin Pump connects to the body via a small cannula and delivers insulin continuously. This replaces the need for injections. It can be tubed or tubeless.



2

The CGM

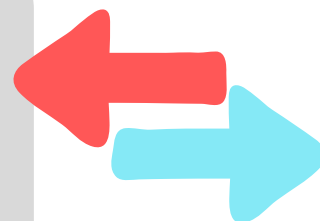
The Continuous Glucose Monitor (CGM) is like a little detective on your body, sneaking a peek at the glucose levels between the cells via a tiny filament. This glucose level is very close to our blood glucose levels and is used for insulin dosing.



3

The Ultra-brainy Algorithm

This part is the built in brains that looks at the CGM glucose level and where it is headed and whispers to your pump, "Hey, more insulin here or less insulin there, to keep that glucose in check!"



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Comparison Overview



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	Medtronic 780G	Omnipod 5	Tandem TslimX2	MyLife Ypsopump
Name of System	SmartGuard	SmartAdjust	Control IQ	CamAPS FX Automode
Compatible CGM	Medtronic Guardian 4	Dexcom G6 OR Dexcom G7 OR Libre 2 Plus	Dexcom G6 OR Dexcom G7	Dexcom G6
Glucose Targets (mmol/L)	5.5, 6.1 or 6.7 (one target chosen for all 24hrs)	6.1, 6.7, 7.2, 7.8, or 8.3 (can have different targets across the 24hrs)	Set range of 6.2 - 8.9	Between 4.4-11 (can have different targets across 24hrs)
Where you bolus from	Pump	Handheld Controller	Pump AND/OR Phone App	Phone App OR Can deliver manual bolus (units only) via pump (does not use bolus calculator)
Other Features	- Extended wear infusion set that lasts for up to 7 days 'Temp Target' mode for exercise	- Tubeless - Each pod lasts up to 72 hours - If using Libre 2 Plus, do not need phone for CGM 'Activity feature' for exercise	'Extended Bolus' for up to 2hrs - Exercise and Sleep modes for different targets - Can set up multiple profiles with different settings	- Has 'Add Meal' function and 'Delayed Absorption Meal' function 'Ease off' mode for exercise 'Boost' mode for elevated glucose levels

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A Few More Details...



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	Medtronic 780G	Omnipod 5	Tandem TslimX2	MyLife YpsoPump
				
Battery	1x AA	Recharge via Controller	Recharge via Pump	1x AAA
Alternate Glucose Targets (mmol/L)	'Temp Target' will target 8.3 and deactivates auto corrections. Option to turn off auto corrections	Activity Feature targets 8.3	'Exercise Activity' targets range 7.8-8.9. Autocorrections remain on 'Sleep Activity' targets range 6.2-6.7 and turns off auto corrections.	'Boost' Mode can increase system aggression by 35%. 'Ease Off' mode decreases system aggression by raising target by 2mmol/L
How does the pump data upload?	via cloud to Carelink when pump connected to MiniMed Phone app	via cloud to Glooko via Controller	via cloud to Tandem Source when connected to Tandem Phone app	via cloud to Glooko from CamAPS FX app
What settings affect algorithm	- Chosen Target - Active Insulin Time - Carb Ratios	- Chosen Target - Carb Ratio, Correction Factor, Active Insulin Time (affects bolus calculator only)	- Basal Rates - Carb Ratio - Correction Factor - Can have multiple profiles of above settings that can be switched between	- Chosen Target - Carb Ratio
Where is the Algorithm stored	Pump	Pod	Pump	Phone

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Starting or Upgrading Your Insulin Pump with ADT

– 3 Simple Steps



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01

Explore Your Options



Initial Consultation (1:1 with your ADT clinician)

- Review your AID options
- Discuss your lifestyle, goals, and clinical needs
- Choose your funding/access pathway
- Assess eligibility and that you have a prescribing Doctor (Endocrinologist, Physician, or Nurse Practitioner)

02

Paperwork & Preparation



Your ADT clinician will:

- ✓ Complete paperwork with you and order your pump
- ✓ Ensure your NDSS access is active for CGM and pump consumables
- ✓ Set your initial pump settings

You'll be booked in for your pump start training session

03

Start & Support



Pump Start Session (1–3 hours):

- 🧠 Learn how to safely use your pump and CGM
- 🔧 Start on your customised settings with access to on-call support

Follow-Up Sessions (1–3 in the following weeks):

- 🔧 Fine-tune settings
- ✈️ Get travel tips and documentation
- ⚠️ Create pump failure and ketone plans

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Have Questions? Take the Next Step With Support That's Personalised to You



Choosing or upgrading to an insulin pump is a big step and we're here to support you every step of the way.

 Ready to book a consult and explore your options?

 Visit **www.australiandiabetestechology.com** to learn more and book an appointment.

 Prefer to chat first? Email us at **admin@australiandiabetestechology.com** and our friendly team will get back to you shortly.

Please note: All device decisions should be made in consultation with your diabetes healthcare team.