The twiist Automated Insulin Delivery (AID) System

Powered by Tidepool

Discover the freedom and flexibility of personalized type 1 diabetes management with the new twiist™ AID System. Explore how the twiist AID System adapts to your day, so you can confidently manage your type 1 diabetes with peace of mind.

twiist™ | It Fits

What fits you, frees you

The twiist AID System is personalized to fit you, automatically adjusting basal insulin delivery all day and night to help prevent highs and lows as you manage type 1 diabetes.

Now, take a more personalized approach to type 1 diabetes, and stay in the range that's right for you.

Imagine life with twiist...

Unmatched personalization [1-6]
Select the features and wear options that fit your unique approach to diabetes management.

twiist Loop algorithm
The twist Loop algorithm is derived from Tidepool Loop, which was adapted from the diabetes community-created Loop, and allows you to set one or many correction ranges throughout the day.[1]

Pharmacy availability
Flexible Access allows most people to start twiist for $0 the first month and no more than $50 each month thereafter, without having to wait for your current system's warranty to expire. Switch whenever you're ready.[‡]

Imagine life without...

Daily injections or traditional insulin delivery systems.

One-size-fits-all glucose targets.

Long-term commitments.

HER CORRECTION RANGE
95-110 mg/dL

Small but mighty

The twiist Pump weighs less than 2oz and holds 300 units, making it the smallest available pump with such a large capacity.

Peace of mind with the twiist AID System

Explore the features of twiist.

Auto Adjust, powered by twiist Loop, updates your 6-hour glucose prediction every 5 minutes and adjusts basal insulin all day and night to help prevent highs and lows.

Meal Adjustments let you update carb entries up or down before, during, and even after eating, so insulin is adjusted when your plans change.

iiSure™ ensures precise insulin delivery down to the microdose and detects blockages up to 9x faster than any other AID system, potentially reducing unexpected highs.[7]

Pre-Meal & Activity Presets can be enabled before food and activity to temporarily adjust your correction range, helping prevent highs and lows around meals and activity.

Absorption Rate Selector optimizes your insulin delivery to the types of food you are eating, helping your glucose stay in sync with how your body absorbs food—for smoother, more precise management.[1]

Customizable Glucose Target(s) can be set between 87-180 mg/dL, the widest correction range of any AID system, so that you stay in the range that is right for you.[1-6]

Flexible wear options allow you to wear twiist three different ways—secured to a belt or clothing using the pump clip, discreetly tucked away, or soon on-body as we are working on an adhesive option.

Discreet bolus options allow you to use your iPhone®, (optional) Apple Watch®, or the button on the twiist Pump to bolus—no separate controller required.

Flexible Access allows most people to start twiist for $0 the first month and no more than $50 each month thereafter, without having to wait for your current system's warranty to expire. Switch whenever you're ready.[‡]

Explore the complete twiist AID System

The twiist AID System is the first-of-its-kind in personalized diabetes management. With high levels of personalization and precise insulin delivery to help prevent highs and lows, twiist was designed for peace of mind.

Connect your iPhone®, CGM, and (optional) Apple Watch® for adaptive and predictive insulin delivery.
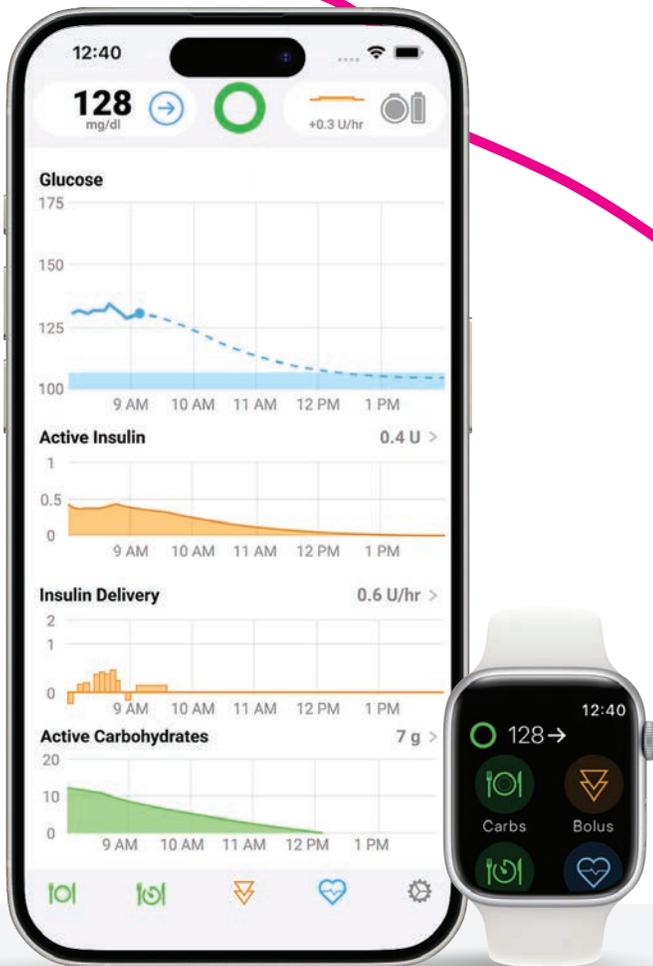
Experience the freedom to choose your fit

The twiist AID System is designed for seamless integration with compatible CGM systems. At launch, twiist is only compatible with the FreeStyle Libre 3 Plus sensor, but more CGM sensor compatibility options, like the Eversense 365 CGM, are on the way soon!

twiist Pump
The twiist Pump contains the twiist Loop algorithm. twiist Loop enables the system to automatically adjust basal insulin delivery based on CGM readings, your personalized settings and predicted glucose levels to help prevent highs and lows throughout the day and night.

iPhone and Apple Watch
Connect your iPhone and (optional) Apple Watch for discreet, app-based control.

> **The only AID system that can be controlled from an Apple Watch.[1-6]**

Abbott's FreeStyle Libre 3 Plus sensor measures and shares glucose readings every minute with the twiist Pump.

- The world's smallest sensor*[I]
- Easy to use and painless to wear[II]
- Proven accuracy for up to 15 days[III]

For full FreeStyle Libre 3 Plus sensor safety information, please visit https://www.freestyle.abbott/us-en/safety-information.html. The sensor housing, FreeStyle, Libre, and related brand marks are marks of Abbott and used with permission.
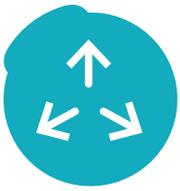
References
*Among patient-applied sensors
I. Data on file. Abbott Diabetes Care. II. Alva, S. Diabetes Therapy (2023): https://doi.org/10.1007/s13300-023-01385-6. III. FreeStyle Libre 3 Plus User's Manual.

Three ways to fit your style

The twiist AID System flexes with your lifestyle so you can wear it however you feel most comfortable. That might change from day to day—and that's OK! With twiist, you can disconnect and reposition when necessary. No more being stuck with the same pump position for three days.

Flexible wear options

Show it off

You can attach twiist to your belt or almost anything you're wearing. Favorite jeans? Lucky sweatshirt? Superhero costume? twiist has you covered.

Stick it on*

An adhesive option for twiist is coming soon so you can wear it on your body, yet still disconnect and re-connect your infusion set as needed.
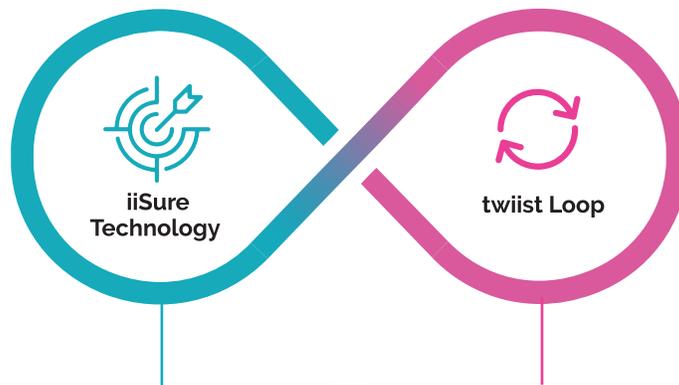
Tuck it in

Not in the mood to flaunt twiist? No problem. Pocket it and forget about it.

*Sequel is working on adhesive options for on-body wear. Alternative adhesive options are available through third-party providers.

Precise insulin delivery every time

No matter how you personalize twiist to fit your needs, the twiist Loop algorithm and iiSure™ Technology work to help you stay in your personalized glucose target range.

ONE advanced AID system. TWO innovative technologies.

iiSure Technology

twiist Loop

iiSure Technology

- **Directly measures** the volume of insulin delivered

- **Ensures accurate insulin delivery** with 4 checkpoints along the way

- **Detects blockages up to 9x faster** than any other available AID system[7]

twiist Loop

- **Based on the DIY community Loop algorithm,** which was designed by and for people with diabetes

- **Automatically adjusts** basal insulin delivery based on CGM, carbohydrate, and insulin data using your personal settings

- **Creates a six-hour** glucose forecast to help you stay in your personalized glucose target range

Stay in the know

twiist makes 72 glucose predictions every 5 minutes to create a six-hour forecast.

Recalculates
These predictions are calculated using CGM readings, insulin delivery history, carbohydrate history, and personalized settings.

Adjusts
Based on these predictions, twiist automatically adjusts basal insulin delivery every five minutes, targeting to keep you within your personalized glucose target range.
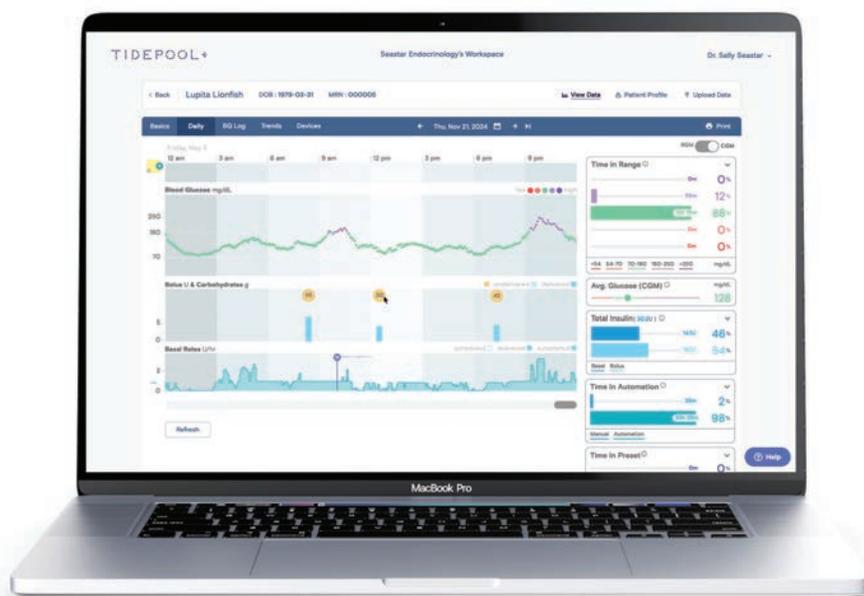
Helps prevent highs and lows
twiist adapts to changes in your day, automatically adjusting your basal insulin to help prevent highs and lows.

Powered by Tidepool

Data that delivers. Insights that empower.

The Tidepool Data Platform helps you and your care team make the most of your diabetes data.

Screens are representations only. Visit support.tidepool.org for more information on viewing your data.

Here's what you can do using the Tidepool Data Platform:

✓ See trends and daily patterns based on your data

✓ Share reports with your care team or caregivers

✓ Access your data anywhere with an internet connection

The twiist AID System connects directly to the Tidepool Data Platform—a secure, cloud-based environment for viewing, making sense of, and sharing your diabetes device data. You and your care team can easily access your data from compatible diabetes devices, all in one intuitive interface.

Intended Use

The Tidepool Data Platform is a web-based diabetes management platform intended for use by individuals with diabetes, caregivers, clinicians, and researchers to review data from one or more compatible diabetes devices, including continuous glucose monitors, blood glucose meters, and insulin pumps. It allows users to gain insights about diabetes management and for healthcare professionals to make therapy recommendations accordingly.

Warnings

The Tidepool Data Platform displays retrospective diabetes data. Do not use it to make real-time treatment decisions, like adjusting insulin dosages. Always check real-time data from diabetes devices—such as a CGM, glucose meter, or AID system—before making treatment decisions.

Compatibility

The Tidepool Data Platform requires an internet connection, Google Chrome or Microsoft Edge, and a user account with a username and password. To protect the users' data, we recommend that users do not share their passwords with others.

For a full list of supported devices and corresponding upload guides, **visit tidepool.org/devices.**
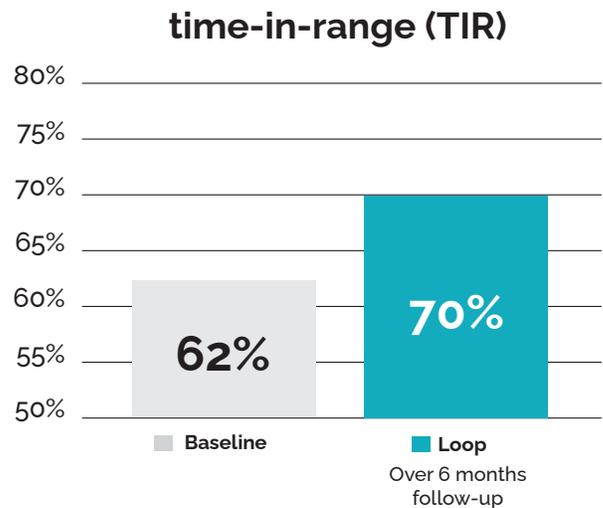
Fit for better management

The twiist Loop algorithm is based on Loop, and a study* showed that users could reach their glucose goals more often with Loop.

This study showed that Loop helped people increase time in range and reduce severe hypoglycemic events over 6 months.[1]

80% reduction in severe hypoglycemic events

time-in-range (TIR)

80%
75%
70%
65%
60%
55%
50%

62% Baseline

70% Loop
Over 6 months follow-up

twiist fits your glucose goals

Everyone's needs are different. Aligning your correction range with your personal goals can help you achieve more time in range.

With the twiist AID system, you can set your personal glucose target within the widest correction range of any available AID system.[1-6]

It's just one more way that twiist fits you with unmatched personalization that can help make a real difference in your diabetes journey.

*The results listed here come from a study of the DIY Loop algorithm on non-twiist devices, the group of 175 participants were age 6 and up, using Humalog/Novolog, and made use of the Tidepool guardrails at least 90% of the time. The guardrails were correction range 87-180 mg/dL and glucose safety limit of 67-110 mg/dL. The Jaeb Center for Health Research conducted this study with Stanford University and Tidepool to observe the effectiveness of DIY Loop, as well as its safety, ease of use, and impact on quality of life.

No long-term contracts.
No upfront costs.[†]
No need to wait out your warranty.

Get started with twiist for an adaptive and predictive approach to type 1 diabetes management.

Flexible access allows most people to start twiist for $0 the first month and no more than $50 each month thereafter, without having to wait for your current system's warranty to expire. Switch whenever you're ready.[†]

Note: CGM sensor not included in this cost.

Ready to try twiist?
Talk to your doctor today.

Here's what's next:

Talk to your doctor to get a prescription for the twiist AID System.

Get your prescription Starter Kit from the pharmacy.

Receive a call to schedule a twiist training session.

Want to learn more about the twiist AID System? Head to twiist.com/it-fits/PWD.
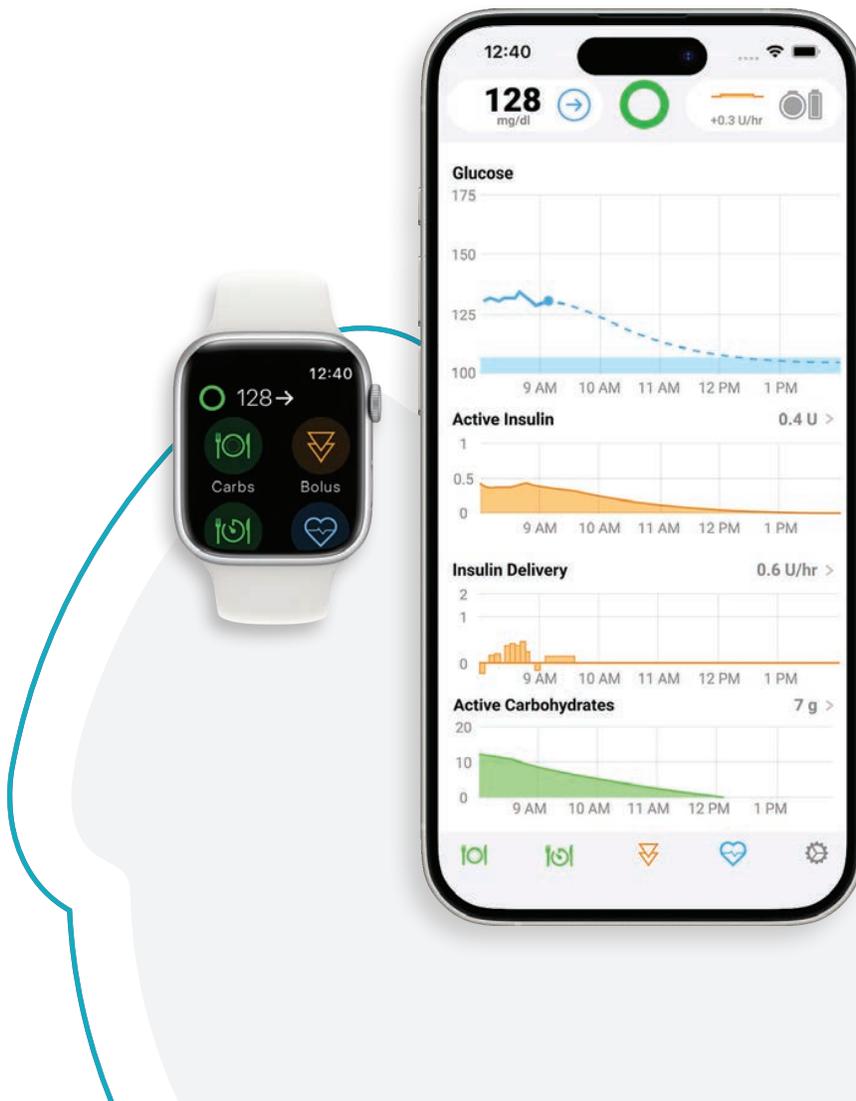
Take control with the twiist App

Your all-in-one diabetes dashboard

The twiist App is your diabetes management control center. This is where you can truly personalize how you manage your diabetes with twiist. The twiist App allows you to customize therapy settings, deliver boluses, log your meals, activate your Pre-Meal & Activity Presets, and so much more.

No more juggling multiple devices or apps. Get a clear view of all your essential data in one place, including your insulin pump status, CGM readings, and six-hour glucose forecast. Get the full picture of your diabetes management at a glance, anytime, anywhere.[1]
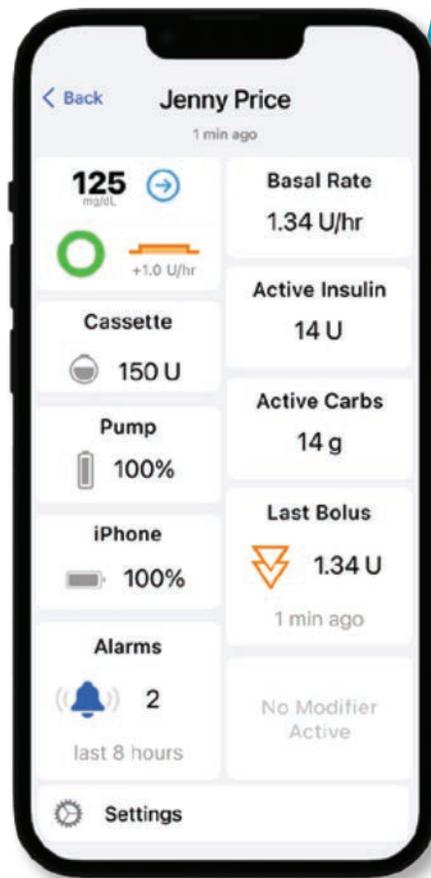
User-friendly design

The twiist App interface is intuitive and easy to navigate, providing built-in introductory training modules to help you get started quickly.

Stay in sync with twiist insiight™

Peace of mind for caregivers and loved ones

The twiist insiight App syncs up with twiist AID System data from your loved one's smartphone to keep you tuned into their diabetes management. Now, you can remotely and securely monitor your loved one with detailed information and data, helping you to stay in the know as you work together to manage type 1 diabetes.

Notifications coming soon*
The current version of the insiight™ App does not yet allow alarms or alert notifications. Future updates will expand functionality to deliver key notifications from the twiist™ AID System and connected CGM.

Be in the know

The twiist insiight App includes a range of features for seamless connection and reliable support fit for wherever life takes you.

Remote viewing
Users can access key diabetes management data, including glucose levels, active insulin, and carbohydrate entries.

Be confident your loved one...
- Gets their mealtime insulin
- Activates their Activity Preset when necessary
- Treats their low blood glucose*

Data sharing
Users can connect with up to 15 followers, ensuring everyone in their care circle has the information they need.

Customizable access control
Users can decide who can view their data with complete control over their support network.

*Requires the twiist AID System user to input data into their system.

Note: The insiight App is not intended to be a replacement for the information displayed by the twiist System App and should not inform dosing decisions. It is not intended to replace self-monitoring practices as advised by a physician. Data updates require WiFi or cellular connectivity and their frequency may vary depending on connection strength.

twiist fits your day to day

Life can be unpredictable, but twiist has your back

The twiist AID System is uniquely designed to automatically adapt basal insulin delivery to help prevent highs and lows.

Change your mind
Sometimes you eat more or less than expected. When you have diabetes, that can be a problem. With twiist, you can update carb entries before, during, or even after a meal. twiist adapts and will adjust your insulin accordingly.

Calculate beyond carbs
Different foods can impact glucose levels differently. Some raise glucose quickly, while others do so more slowly. With twiist, you can optimize your insulin delivery to the types of food you are eating for smoother, more precise blood sugar control.

twiist is custom-fit for you

Explore optional and customizable tools that can be used wherever and whenever you like.

Pre-Meal Presets
Get to a separate, personalized target range before your meal with a quick tap on your iPhone or (optional) Apple Watch.

Activity Presets
Set it for one hour, two hours, or "until I turn off," to help prevent lows around exercise routines.

Life with twiist Loop

Living with diabetes comes with daily challenges—the twiist Loop algorithm was designed to help overcome them.

Diabetes impacts more than just your blood glucose
Loop, the technology behind twiist Loop, was studied* to see how it improved the quality of life for people living with diabetes.

Children and parents agree that life with Loop improves sleep[8]
Diabetes can cause sleep disturbances.

"I was amazed at the burden lift that I felt. I felt like it had my back."

—New Loop user

"The overnights have been steady. There's no really crazy highs or very crazy lows…"

—New Loop user

Loop has been shown to:

Decrease
fear of hypoglycemia after six months*[8]

Decrease
diabetes distress after six months*[8]

Improve
sleep quality in just three months*[8]

*The results listed here come from a study of the psychosocial impact of the DIY Loop algorithm, the algorithm on which twiist Loop is based, on non-twiist devices It included 239 adults and 115 children with type 1 diabetes, as well as 243 parents of children with type 1 diabetes. Participants completed surveys three times throughout the study: when they started Loop, at 3 months, and at 6 months.

Support fit for you

We do things differently

We're here for you, every step of the way.

Pharmacy availability
Get your twiist AID System supplies
from the pharmacy.

Ongoing support
Our team is here, day and night, to help
you throughout your twiist journey—
not just when you're starting.

Personalized guidance and support

Anytime, anywhere

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With twiist, you won't be on your diabetes journey alone.

Get access to:

Diabetes educators
Have questions about diabetes? Our dedicated educators are committed to ensuring you get the most out of your experience with twiist.

Customer care
Need help solving daily challenges? Our customer care specialists are available around-the-clock to help ensure a seamless, customized experience with twiist.

24/7 Product support
twiist has troubleshooting help in the app, but we know that it can still help to talk things out. Our product support team is always ready to assist you so you can get back to living life, ASAP.

Find out more about our unique support offerings at **twiist.com**

A stand-out automated insulin delivery system that fits you

	twiist [1]	Omnipod 5 [2]	MiniMed 780G [3]	t:slim X2 [4]	Mobi [5]	iLet [6]
Safety						
Time to Occlusion Detection/Alert [7]	**19 mins** @ basal 1 U/hr	180 mins @ basal 1 U/hr	201 mins @ basal 1 U/hr	64 mins @ basal 1 U/hr	40 mins @ basal 1 U/hr	171 mins (150 mins*) @ basal 1 U/hr
iiSure technology for extremely accurate dosing	**Yes**					
Convenience						
Reservoir size	**300 units**	200 units	300 units	300 units	200 units	180 units
Direct Volume Measurement	**Yes**					
Weight**	**1.76 oz With filled cassette**	0.92 oz Without insulin	4.13 oz. Without battery or consumables	3.95 oz With full disposable	1.06 oz With full disposable	3.88 oz (3.45 oz*) with full cartridge no set
Option to use food emojis so the algorithm adjusts insulin based on different absorbtion times for different foods	**Yes**					
Retroactive carb entries with automatic insulin adjustments	**Yes**					

This is not a comprehensive list of features for each device. Please reference the website of each individual manufacturer for more information.
*Specific to iLet device with a color display
**Device weights include battery unless otherwise specified.

Indications for Use

twiist AID System Indications for Use
The twiist System is intended for the subcutaneous delivery of insulin, at set and variable rates, for the management of diabetes mellitus in persons requiring insulin, ages six and above. The pump is able to reliably and securely communicate with compatible, digitally connected devices, including automated insulin dosing software, to receive, execute, and confirm commands from these devices. The twiist system is intended for single patient, home use and requires a prescription.

Simple Bolus Calculator Indications for Use

The twiist Automated Insulin Delivery System includes a simple bolus calculator available when Loop is off. It is indicated for use for aiding the user in determining the bolus insulin dosage for management of diabetes mellitus based on consumed carbohydrates, operator entered blood glucose, insulin sensitivity, insulin to carbohydrate ratio, target glucose values, and current insulin on board.

twiist Loop Algorithm Indications for Use

The twiist Loop algorithm is intended for use with compatible integrated continuous glucose monitors (iCGMs) and the twiist alternate controller enabled (ACE) insulin infusion pump to automatically increase, decrease, and suspend delivery of basal insulin based on iCGM readings and predicted glucose values. It can also recommend, and with the user's confirmation, control the delivery of correction boluses when glucose values are predicted to exceed user configurable thresholds. The twiist Loop algorithm is intended for the management of Type 1 diabetes mellitus in persons six years of age and greater. The twiist Loop is intended for single patient use and requires a prescription.

Contraindications

The twiist automated insulin delivery system is not intended for anyone unable or unwilling to:
· Test blood glucose (BG) levels as recommended by their healthcare provider.
· Maintain sufficient diabetes selfcare skills.
· See their healthcare provider regularly.
· Demonstrate adequate carbohydrate-counting skills (preferred, not required).

The user must not:

· Have difficulty seeing.
· Have difficulty hearing.
· Have deficient cognitive capabilities.
· Have physical impairments which would make operating the pump or iPhone difficult.

Please visit twiist.com/safety for important safety information.

Product only available in the U.S..

References

1. Sequel Med Tech - twiist Automated Insulin Delivery (AID) System Powered by Tidepool User Guide

2. Insulet - Omnipod 5 Automated Insulin Delivery System User Guide

3. Medtronic - MiniMed 780G system User Guide

4. Tandem Diabetes Care - t:slim X2 Insulin Pump User Guide

5. Tandem Diabetes Care - Tandem Mobi System User Guide

6. Beta Bionics - iLet Bionic Pancreas System User Guide

7. Calculation based on a comparison of the following IFUs. The following reported 1 U/hr basal rate: Sequel Med Tech - twiist Automated Insulin Delivery (AID) System Powered by Tidepool User Guide ; Insulet - Omnipod 5 Automated Insulin Delivery System User Guide ; Medtronic - MiniMed 780G system User Guide ; Beta Bionics - iLet Bionic Pancreas System User Guide. The following reported 2 U/hr basal rate: Tandem Diabetes Care - t:slim X2 Insulin Pump User Guide ; Tandem Diabetes Care - Tandem Mobi System User Guide.

8. Wong JJ, et al. Psychosocial Effects of the Loop Open-Source Automated Insulin Delivery System. J Diabetes Sci Technol 2023; 17(6):1440–7.

† The twiist™ Savings Program is available to individuals with a valid prescription and commercial insurance that covers twiist. Eligible participants can receive a Starter Kit for $0 and pay no more than $50 for Refill Kits. This offer is not valid for individuals enrolled in Medicare, Medicaid, or any other federal or state programs, or for cash-paying patients and non-covered claims. It is available only in the U.S. and is not valid in Puerto Rico, U.S. Territories, or where prohibited by law. While most commercially insured participants qualify for the $50 Refill Kit offer, those with high-deductible plans who haven't met their deductible may pay more than $50 per Refill Kit until their deductible is met. The maximum benefit is $200 per Refill Kit for covered claims. Terms are subject to change. Call us at 1-877-489-4478 or contact your insurance provider to confirm coverage.

twiist™ | It Fits

Here's a sneak peek at what twiist has to offer you:

Unmatched personalization

twiist Loop algorithm

$0 Commitment[‖]

Want to learn more about the twiist AID System?

Talk to your doctor and head to **twiist.com/it-fits/PWD** for more information.