









Company/Insulin Pump	Size and Weight	Battery	Reservoir	Infusion Set		Basal Range	Bolus Range	Food Database?	Meter Interaction?	CGM Interaction?	Details
Animas Corp. OneTouch Ping 	Pump: 2 x 3.25 x 0.85 in. Meter remote: 3.8 x 2.46 x 1.12 in. Pump: 3.9 oz. with battery and full reservoir Meter remote: 3.25 oz. with batteries	Pump: (1) 1.5-volt lithium AA or (1) AA Meter remote: (2) AAA	200-unit cartridge	Compatible with all standard, Luer-lock connectors.		From 0.025 to 25 units per hour in 0.025-unit increments	0.05 to 35 units in 0.05-unit increments	Yes, meter remote stores up to 500 foods and their nutrition information. Added software allows users to customize food database.	Yes, meter remote sends blood glucose results wirelessly to pump.	No	Meter remote and pump can each control nearly all pump functions, including delivering a bolus, monitoring pump stats, and confirming alarms and warnings. Meter remote works from up to 10 feet away. Pump is waterproof for up to 12 feet deep for 24 hours, so there's no need to disconnect while swimming or bathing. Eight pump and 8 meter remote "skins" are available to customize. Works with ezManager Max data management software. Software is compatible with Windows (except Windows 7 and 8) and Mac operating systems. Pump also works with Diasend Web-based software.
Asante Snap 	3.8 x 1.72 x 0.75 in. 2.9 oz.	(1) AAA	300-unit prefilled cartridges	Compatible with Snap infusion sets only.		From 0.1 to 4 units per hour in 0.05-unit increments	0.1 to 25 units in increments of 0.05 to 5 units. Insulin-to-carb ratio allows for fractions of grams.	No	No	No	Snap pump consists of two parts: a controller with buttons that can control pump functions and a disposable pump body that snaps into the controller. A prefilled, seven-day Humalog insulin cartridge inserts into the pump body. (NovoLog cartridges are in development.) Battery is integrated into disposable pump body so it doesn't need to be replaced or recharged. Built-in flashlight. Pump automatically fills new infusion set with insulin during assembly. Remove pump before bathing, swimming, or other water activities. Pump calculates insulin missed while pump has been disengaged. Asante has plans for the Snap to work with Diasend and Glooko Web-based blood glucose management systems. Not approved for use in children.
Insulet Corp. OmniPod 	Pod: 1.53 x 2.05 x 0.57 in. Personal Diabetes Manager (PDM): 2.4 x 4.4 x 0.98 in. Pod: 0.88 oz. with empty reservoir PDM: 4.4 oz. with batteries	Pod: battery integrated PDM: (2) AAA	Pod includes built-in reservoir that holds 200 units.	Does not use tubing. Pod comes with a built-in cannula and automated inserter.		From 0.05 to 30 units per hour in 0.05-unit increments	0.05 to 30 units in increments of 0.05, 0.1, 0.5, or 1 unit	Yes, PDM contains more than 1,000 common foods and their nutrition information, and stores up to 36 preset carbohydrate values for user-selected foods.	Yes, a FreeStyle blood glucose meter is built into the PDM.	No	No tubing required: System includes a "pod" that's worn for 72 hours and a PDM that controls the pod's functions (you can't control the pod without the PDM). Pod is waterproof for up to 25 feet deep for 60 minutes and shouldn't be removed when swimming or bathing. Seven "skins" are available for PDM personalization. Works with Abbott's CoPilot data management software. Software is compatible with Windows (except Windows 8), but is not Mac compatible.
Medtronic Diabetes MiniMed 530G With Enlite 	Model 551: 2 x 3.3 (2.8 at the battery cap) x 0.82 in. 3.4 oz. Model 751: 2 x 3.7 (3.5 at the battery cap) x 0.84 in. 3.6 oz. (both with battery and empty reservoir)	(1) AAA	Model 551: 180-unit reservoir Model 751: 300-unit reservoir	Compatible with Medtronic infusion sets. Using a Fifty50 Medical reservoir allows pump to connect to all standard, Luer-lock connectors.		From 0.025 to 35 units per hour in 0.025-unit increments for up to 0.975 units. Increments of 0.05 units for between 1 and 9.95 units. Increments of 0.1 units for 10 units or more.	0.025 to 25 units. Increments of 0.025 units up to 0.975 units. Increments of 0.05 units for 0.975 units or more. Insulin-to-carb ratio allows for fractions of grams.	No	Yes, Contour Next Link meter wirelessly sends blood glucose results to pump.	Yes, available as a stand-alone pump or an all-in-one pump/CGM.	The MiniMed 530G is the first FDA-approved device with Threshold Suspend. This feature stops insulin delivery for up to 2 hours if the blood glucose level reaches a preset low limit and the user doesn't react to a low-glucose alarm. (More on its CGM functions on p. 56.) Remove pump body before bathing, swimming, or other water activities. Works with CareLink Personal software to upload and manage pump and CGM data. Compatible with Windows (except Windows 8) and Mac (except OS X 10.9.1) operating systems. Not approved for use in children.

Company/Insulin Pump	Size and Weight	Battery	Reservoir	Infusion Set	Basal Range	Bolus Range	Food Database?	Meter Interaction?	CGM Interaction?	Details
Medtronic Diabetes MiniMed Paradigm Real-Time Revel 	Model 523: 2 x 3.3 (2.8 at the battery cap) x 0.82 in. 3.4 oz. Model 723: 2 x 3.7 (3.5 at the battery cap) x 0.84 in. 3.6 oz. (both with battery and empty reservoir)	(1) AAA	Model 523: 180-unit reservoir Model 723: 300-unit reservoir	Compatible with Medtronic infusion sets. Using a Fifty50 Medical reservoir allows pump to connect to all standard, Luer-lock connectors.	From 0.025 to 35 units per hour in 0.025-unit increments for up to 0.975 units. Increments of 0.05 units for between 1 and 9.95 units. Increments of 0.1 units for 10 units or more.	0.025 to 25 units. Increments of 0.025 units up to 0.975 units. Increments of 0.05 units for 0.975 units or more. Insulin-to-carb ratio allows for fractions of grams.	No	Yes, Contour Next Link meter wirelessly sends test results to pump.	Yes, available as a stand-alone pump or an all-in-one pump/CGM.	The Real-Time Revel is a pump with built-in CGM technology that uses a sensor to wirelessly transmit continuous glucose readings. (More on its CGM functions on p. 56.) Remote-control capabilities. Remove pump body before bathing, swimming, or other water activities. Pump comes in five different colors, and "skins" are available to customize pump. Works with CareLink Personal software to upload and manage pump and CGM data. Compatible with Windows (except Windows 8) and Mac (except OS X 10.9.1) operating systems.
Roche Insulin Delivery Systems Accu-Chek Combo 	Pump: 3.2 x 2.2 x 0.8 in. Meter remote: 3.7 x 2.2 x 1.0 in. Pump: 3.9 oz. with battery and full reservoir Meter remote: 3.6 oz. with batteries	Pump: (1) AA lithium, alkaline, or rechargeable Meter remote: (3) AAA alkaline	315-unit cartridge	Compatible with all standard, Luer-lock connectors.	From 0.05 to 25 units per hour. Delivers in 0.01-unit increments for up to 1 unit per hour, in 0.05-unit increments for up to 10 units per hour, and in 0.1-unit increments for up to 25 units per hour.	0.1 to 25 units in increments of 0.1, 0.2, 0.5, 1, and 2 units for Standard boluses. Extended and Multiwave boluses are adjustable in increments of 0.1 units. Insulin-to-carb ratio allows for fractions of grams.	No	Yes, Accu-Chek Aviva Combo meter remote sends results wirelessly to pump.	No	Meter remote and pump can each control nearly all pump functions, including delivering a bolus, monitoring pump stats, and confirming alarms and warnings. Meter screen displays graphs and data in full color. Meter remote works from about 6 feet away. Pump is watertight for up to 8 feet for 1 hour, though disconnecting is recommended for bathing, swimming, and other water activities. Works with Accu-Chek 360° software, insulin pump configuration software, and Smart Pix device reader for data management. Software and reader are compatible with Windows (except Windows 8; only 360° software works with Windows 7) but are not Mac compatible.
Sooil Development Dana Diabecare IIS 	2.95 x 1.77 x 0.75 in. 1.8 oz. without battery	(1) 3.6-volt DC lithium	300-unit cartridge	Compatible with Sooil infusion sets only.	From 0.1 to 16 units per hour in 0.1-unit increments	0.1 to 10 units in 0.1-unit increments. From 10 to 87 units in 1-unit increments.	No	No	No	Menu uses icons instead of words. Available in a choice of five colors. Does not work with data management software.
Tandem Diabetes Care T:slim 	3.13 x 2.0 x 0.6 in. 3.95 oz. with battery and full reservoir	Rechargeable lithium polymer battery	300-unit cartridge	Compatible with all standard, Luer-lock connectors.	From 0.1 to 15 units per hour in 0.001-unit increments	0.05 to 25 units in 0.01-unit increments with an option for an additional 25 units. Insulin-to-carb ratio allows for fractions of grams.	No	No	No	Color touch screen. Flat reservoir design and micro-delivery technology allow for a thinner pump. Rechargeable battery with micro USB. Delivers smallest basal insulin increments available. Pump is watertight for up to 3 feet deep for 30 minutes, so there's no need to disconnect while swimming or bathing. Works with T:Connect Diabetes Management Application, Tandem's Web-based software that works with both Windows (except Windows 8) and Mac operating systems. May be used by children 12 and over.