









Your Complete **Insulin Pumps** Reference Guide From *Diabetes Health*

Manufacturer	Model	Size (inches)	Weight (ounces)	Reservoir Type	Basal Increment	Total Basal Rates/Profile	Temporary Basal Rate	Minimum Number of Button Pushes to Program 2-Rate Basal Pattern	Maximum Basal Rate
Animas (U.S.)	IR 1250 	2.9 x 2.0 x 0.76	3.13 with battery and full cartridge	Disposable plastic	0.025 unit	12 each day for each of 4 basal programs	Yes. Increase or decrease by percentage all segments of your active basal program for the duration desired. 30 minutes to 24 hours. No need to program in amount for each segment.	19	Yes
	IR-1000 	3.5 x 2.2 x 0.71	3.5	Disposable plastic	0.05 unit	12 each day for each of 4 basal programs	Yes. Increase or decrease by percentage all segments of your active basal program for the duration desired. 30 minutes. No need to calculate and program in amount for each segment.	25	Yes
Insulet Corporation	OmniPod Insulin Management System 	OmniPod: 1.6 x 2.4 x 0.7 PDM: 2.5 x 4.2 x 1.0	OmniPod: 1.2 with full reservoir PDM: 4.0 with batteries	Plastic, integrated into OmniPod	0.05 units	Seven programs with up to 24 segments each, programmable in 30 minute increments	Yes. Can be programmed as percentage of current program (-100% to 95% in 5% steps) or units per hour (0.0-30.0 in 0.05 steps) for a duration of 30 minutes to 12 hours in 30 minute increments.	9	Yes
Medtronic MiniMed (U.S.)	Paradigm 515 	3 x 2 x 0.8	3.5 with battery and full reservoir	Disposable shock-resistant plastic	0.05 unit	3 patterns with up to 48 rates each	Yes. Can be increased or decreased by percentage of current rates or by units per hour. 30 minutes to 24-hour duration.	13	Yes
	Paradigm 715 	3.6 x 2 x 0.8	3.8 with battery and full reservoir	Disposable shock-resistant plastic	0.05 unit	3 patterns with up to 48 rates each	Yes. Can be increased or decreased by percentage of current rates or by units per hour. 30 minutes to 24-hour duration.	13	Yes
Nipro Diabetes Systems (U.S.)	Amigo 	3.28 x 2.18 x 0.93	3.1	Disposable plastic	0.05 unit	4 profiles with up to 48 rates each	Yes. Can be increased by percent of current profile—10% to 200% in 10% steps or by units per hour (0.0–30.0 in 0.05 steps) for a duration of 15 minutes to 24 hours.	12	Yes
Sooil Development Co./Dana Diabecare (U.S.)	Dana Diabecare II 	2.95 x 1.77 x 0.74	1.8	Plastic (impact-resistant)	0.1 unit	24	Yes. Zero to 32 units/hour, up to 12 hours	23	Yes
Smiths Medical (U.S.)	Cozmo 	3.2 x 1.8 x 0.90	3.3 with battery and full 300 unit cartridge	Disposable plastic	0.05 unit	4 patterns with 48 rates each	Yes. Zero to 250% or units/per hour; 30 minutes to 72 hours duration. Eight custom temporary rates that user can name to fit their activity, (soccer, gardening, dog walking, etc.)	11	Yes

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Model	Bolus Increments and Maximum	Bolus Duration for 1 Unit	Bolus Types	Bolus Programming Methods	Minimum Number of Button Pushes to Program 3.7 Unit Normal Bolus	Maximum Bolus Limit	Memory Features	Computer Download
IR 1250	0.05 to 25 units	User selected	Normal, carb, BG, combo, extended, audio, ezBolus, food data base	Menu, audio, vibrate, ezBolus	3	Yes	600 boluses, 120 TDD, 30 alarm, 60 prime, 30 suspend, 270 basal	Yes, using ezManager Plus software included free with the IR 1250. Users can program pump settings, download pump information for review and trending, upload a 500-food database form and customize most alert sounds.
IR-1000	0.1 to 25 units	3 seconds	Normal, extended, combination audio	Menu, audio	6	Yes	Last 255 boluses and alarms with time and date, total daily delivery for last 255 days including total basal per day	Yes, using ezManager Plus
OmniPod	0.05, 0.1, 0.5, 1, up to 30 units	40 seconds	Meal, correction, meal & correction; normal, extended, combination	Menu	4	Yes	90 days of data (up to 5400 records)	Yes, using OmniPod PathFinder(TM) Data Management Software
Paradigm 515	0.1 unit, range of 0.1 to 25 units	40 seconds	Normal, squarewave, dual-wave, audio, carbohydrate, correction	Menu, remote and (audio) express	3	Yes	Approximately 90 days of data (prime, bolus, daily totals, alarms and programming)	Yes
Paradigm 715	0.1 unit, range of 0.1 to 25 units	40 seconds	Normal, squarewave, dual-wave, audio, carbohydrate, correction	Menu, remote and (audio) express	3	Yes	Approximately 90 days of data (prime, bolus, daily totals, alarms and programming)	Yes
Amigo	0.05 to 35 units	5 seconds	Normal, extended, layered, calculated by user or bolus estimator for carbohydrate and/or correction including insulin on board, direct bolus.	Menu, direct (audio and /or vibrate)	3	Yes	Multiple memory storage can capture over 5,000 pump events including total daily dose with percent of basal and bolus insulin, bolus type, refill amount and date, prime amount and date, alarm history and all programming history.	Yes
Dana Diabecare II	0.1 unit, range of 0.1 to 87 units	13 seconds	Normal, extended	Normal, default, preset for meal appropriate, step	3	Yes	On-screen history of daily totals, previous bolus time and amount). Last 50 boluses, primes and daily totals, last 12 alarms; all time and date stamped.	Yes
Cozmo	0.05, 0.10, 0.50, 1.00, 2.00 or 5.00 to 75 units	User can choose delivery duration from 1 to 5 minutes	Normal, default, preset for meal appropriate, step	Menu, touch bolus (either audio or vibratory)	4	Yes	Holds up to 4,000 pump events with time and date stamps. Retains all data including BG, carbs, meal bolus, correction bolus and basal patterns	Yes. All users receive the CoZmanager PC Communications Software at no charge with their Deltec Cozmo pump. Users can program and customize pump settings as well as download all pump history for analysis and record-keeping.

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Model	Backlight	Confirmation (Second Key) Required for Insulin Delivery	Battery Life	Battery Type	Battery Cost	Remote Control	Use With Water	Operating Temperature	Warranty	Extra Parts Required
IR 1250	Yes	Yes	6 to 8 weeks	AA lithium, nonproprietary (regular AA can be used but will have a shorter battery life)	Less than \$2 per month	No	12 feet for 24 hours	41° to 104° F	Four years	Battery cap (replace once per year or as needed)
IR-1000	Yes	Yes	2 months	Four 1.5 V, model 357; available at drug and camera stores	Approximately \$7 per month	No	12 feet for 24 hours	41° to 104° F	Four years	Battery compartment O-rings (replace with each battery change to guarantee waterproofing)
OmniPod	Yes	Yes	PDM: 4 weeks	Two AAA alkaline	Approximately \$2 per month	Yes	OmniPod: Watertight IPX8 rating; 8 ft. for 30 minutes	40° F to 104° F	Four years	None
Paradigm 515	Yes	Yes	2 to 3 weeks	One AAA alkaline; readily available	Approximately \$2 per month	Yes; suspend and bolus	(IPX7) 3 feet for 30 minutes	34° to 108° F	Four years	None
Paradigm 715	Yes	Yes	2 to 3 weeks	One AAA alkaline; readily available	Approximately \$2 per month	Yes; suspend and bolus	(IPX7) 3 feet for 30 minutes	34° to 108° F	Four years	None
Amigo	Yes	Yes	4 to 6 weeks	One CR2 camera battery (3 volt) available anywhere that sells batteries and from Nipro Diabetes Systems	Approximately \$6 per month	No	Water Resistant (IPX8) 12 feet for 30 min.	41° to 104° F	Four years	Adapter required for IR data transfer
Dana Diabecare II	Yes	Yes	8 to 12 weeks	One 3.6 V DC	\$2.50 per month	Yes	Watertight IPX8	32° to 104° F	Four years	None; if user misplaces them, extra battery keys and linking screws available at no charge
Cozmo	Yes	Yes	1 month	One AAA alkaline any brand	\$1 to \$2 per month	No	Waterproof for un-limited swimming activities. IPX8 is waterproof to a depth of 8 feet for 30 minutes and 12 feet for 3 minutes.	35° to 104° F	Four years	None

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Model	Customer Support	Additional Features
IR 1250	(877) 937-7867	Easy, intuitive, menu-driven. Food database built into pump's CarbSmart feature. Upload up to 500 items from CalorieKing food database using ezManager Plus or add personalized favorites. Build a meal of up to 9 items and CarbSmart does the math for you. Use your PC and ezManager Plus to program personal pump settings and customize your pump sounds (initial notification only). Protected against the effects of static electricity. Large screen display, 992 square millimeters BG reminder with ezFlex programming Insulin on-board calculator to help prevent hypoglycemia. ezAccess software upgrade program. More than 1,000 safety checks per minute. Dedicated backlight button can be turned on and off during programming. Multiple languages. Black, silver, blue
		Easy menu-driven operation. Cartridge design makes bubbling easier. Unique design and insulating materials protect against problems with static electricity, per IEC standards. Powerful DC motor. Rapid occlusion detection. Basal increments as low as 0.05 for precise fine-tuning. Multiple languages. Displays active basal and rate (units/hour), remaining insulin, time. Performs more than 1,000 safety checks per minute. Customize with more than 35 reusable fashion covers and themed stickers.
OmniPod	(800) 591-3455	Award-winning, two-part design. No tubing to catch or snag and disrupt insulin delivery. Virtually pain-free(1) automated cannula insertion safely and consistently inserts the cannula beneath the skin, with no handling of needles. Fully-integrated FreeStyle(R) Blood Glucose Meter eliminates the need to carry a separate blood glucose meter. Innovative motor minimizes the risk of runaway insulin delivery. Each OmniPod is designed for 3 day wear, eliminating the need for maintenance. Intuitive Setup Wizard with menu-driven programming makes entering patient-specific settings easy and consistent. Integrated Bolus Calculator helps to take the guess work out of bolus doses. Calculator factors current blood glucose, carbohydrates, active insulin on board, and programmable ratios and factors into every calculation. Personalized ratios, factors, targets and presets. Reverse Corrections can be turned on or off. After the OmniPod is activated, the PDM can be stored separately and is only needed to check blood glucose, deliver a bolus, adjust basal rates, or view delivery/BG history. Large, easy to read LCD screen (2025 square millimeters) gives directions in plain English. Integrated food database contains the calorie, carb, protein, fat, and fiber data for over 1000 common food items. Programmable reminders and alerts. Adjustable backlight and adjustable auto off helps save battery life. Record keeping is stored on non-volatile memory capable of storing 5,400 records. Child lock-out feature. Reservoir capacity: 200 deliverable units. (1) Data on file at Insulet Corporation."
Paradigm 515	(800) 646-4633	Patented bolus wizard calculator provides insulin dose estimates and takes into account amount of active insulin still in the body to help reduce hypoglycemic episodes. The only insulin pumps to use RF wireless technology to support device communication. Have the capability to automatically receive blood glucose readings from the Paradigm Link Blood Glucose monitor. Paradigm Pathway program allows access to new clinically desirable features as they become available (for an extra fee). Next-generation pump systems will integrate continuous glucose monitoring to enhance diabetes management. Performs more than six million safety checks per day. Smoke, blue, clear, purple. Reservoir capacity: 176 units
Paradigm 715		Patented bolus wizard calculator provides insulin dose estimates and takes into account amount of active insulin still in the body to help reduce hypoglycemic episodes. The only insulin pumps to use RF wireless technology to support device communication. Have the capability to automatically receive blood glucose readings from the Paradigm Link Blood Glucose monitor. Paradigm Pathway program allows access to new clinically desirable features as they become available (for an extra fee). Next-generation pump systems will integrate continuous glucose monitoring to enhance diabetes management. Performs more than six million safety checks per day. Smoke, blue, clear, purple. Reservoir capacity: 300 units.
Amigo	(888) 651-7867	Designed for accuracy and reliability with a stepper motor and dual microprocessors. Easy icon and menu-driven screens with programming wizards and help screens for alarms and alerts. Home screen displays date, time, current basal rate, last bolus with start time, and approximate insulin-remaining icon. Advanced features include Bolus Estimator, Direct Bolus, 3 additional basal profiles, continuous safety checks, and available in an array of colors.
Dana Diabecare II	(866) 326-2832	Guided management feature has 16 programming modes, including audible reminders for bolus insulin/CHO ratio check 30 minutes after a meal, bolus frequency restrictions, presetting of meal appropriate boluses and default bolus, PIN # programming and access to functions including daily maximums and mode settings for healthcare professionals/caregivers. Large display screen with energy-saving backlight, icon menu, easy programming. Swiss micro DC motor. Only one battery. Auto display of remaining insulin and remaining battery life. Child lock-out feature with PIN unlock. Dana Magic provides bolus calculations for accurate decision making. Comes in four colors, five languages. An adapter allows patient to use any infusion set with standard Luer-lock.
Cozmo	(800) 826-9703	The CoZmonitor blood glucose module attaches to the back of the Deltec Cozmo insulin pump and communicates with the pump via wireless technology. As an "all-in-one" blood glucose monitor and insulin pump, you no longer need to carry a separate blood glucose monitor. The 300-unit cartridge can attach to any standard Luer-lock infusion set so users can decide which manufacturer's sets they want to use. All Deltec Cozmo pump users receive the CoZmanager PC communications software with their Deltec Cozmo pump at no charge. Users can program and customize pump settings as well as download pump history for analysis and record keeping. History reports such as blood glucose assist in viewing therapy trends and can be sent via e-mail, making clinical analysis and troubleshooting easy. The Deltec Cozmo pump is waterproof for unlimited swimming activities.