



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. |