

## Insulin Pumps

Accu-Chek Spirit	Deltec Cozmo	DANA Diabecare IIS	MiniMed Paradigm 522/722	Nipro Amigo	OmniPod Insulin Management System	OneTouch Ping
<b>Manufacturer:</b> Disetronic Medical Systems AG	<b>Manufacturer:</b> Smiths Medical MD	<b>Manufacturer:</b> Sooil Development	<b>Manufacturer:</b> Medtronic Diabetes	<b>Manufacturer:</b> Nipro Diabetes Systems	<b>Manufacturer:</b> Insulet Corporation	<b>Manufacturer:</b> Animas Corporation
<b>Size (inches):</b> 3.2 X 2.2 X 0.8	<b>Size (inches):</b> 3.2 X 1.8 X 0.9	<b>Size (inches):</b> 3.07 X 1.81 X 0.78	<b>Size (inches):</b> 3.0 X 2.0 X 0.8 (522 model); 3.6 X 2.0 X 0.8 (722 model)	<b>Size (inches):</b> 3.28 X 2.18 X 0.93	<b>Size (inches):</b> Omnipod: 1.6 X 2.4 X 0.7; Personal Diabetes Manager (PDM): 2.6 X 4.3 X 1.0	<b>Size (inches):</b> Pump: 2.0 X 3.25 X 0.86; Meter-remote: 2.3 X 3.8 X 0.90
<b>Wt.:</b> 4.0 oz. with battery and 315-unit cartridge and infusion set	<b>Wt.:</b> 3.3 oz. with battery and insulin	<b>Wt.:</b> 2.29 oz. with battery and full 300-unit cartridge	<b>Wt.:</b> 3.5 oz. (522 with battery; 176-unit reservoir); 3.8 oz. (722 with battery; 300-unit reservoir)	<b>Wt.:</b> 4.5 oz. with battery and insulin	<b>Wt.:</b> 1.2 oz. OmniPod (with full reservoir); 4.0 oz. PDM (with batteries)	<b>Wt.:</b> 3.9 oz. with battery and full cartridge
<b>Battery Type/Life:</b> (1) 1.5 volt AA alkaline (4 weeks); or NiMH AA rechargeable (1 week)	<b>Battery Type:</b> (1) AAA	<b>Battery Type/Life:</b> (1) 3.6-volt DC (2- to 3-month life)	<b>Battery Type:</b> (1) AAA	<b>Battery Type:</b> (1) CR2 3-volt lithium	<b>Battery Type/Life:</b> OmniPod batteries are integrated into each pod; PDM (2) AAA (up to 4 weeks' life)	<b>Battery Type/Life:</b> (1) AA lithium (1.5 volt) 4-6 weeks; can use AA alkaline (shorter life)
<b>Infusion Set:</b> All standard luer-lock connectors.	<b>Infusion Set:</b> All standard luer-lock infusion sets.	<b>Infusion Set:</b> Proprietary sets, including cannula and needle, straight and angled insertion available in 27" and 43" tubing.	<b>Infusion Set:</b> 23" and 43" lengths; inserters available: Quick set, Sof-set, Silhouette, Sure-T.	<b>Infusion Set:</b> Unomedical Comfort only.	<b>Infusion Set:</b> Integrated infusion set with automated cannula insertion and no tubing.	<b>Infusion Set:</b> All commercially available sets with standard luer-lock connection.
<b>Basal #:</b> Five profiles with up to 24 rates each. Temporary basal rate in 10% increments from 0% to 200%, and 15-minute increments from 15 minutes to 24 hours.	<b>Basal #:</b> Four programmable basal patterns. Temporary basal set in either percent or U/hr, for 30 minutes to 72 hours.	<b>Basal #:</b> Four basal profiles with 24 basal rates per profile. Temporary basal in 10% increments +/- 100% in 60-minute durations up to 12 hours.	<b>Basal #:</b> Three patterns; up to 48 basal rates per pattern; temporary basal rate (fixed rate or percent of basal pattern for 30 minutes to 24 hours in 30-minute increments).	<b>Basal #:</b> Four basal profiles with 48 rates available per profile. Temporary basal rate in 10% increments from 10% to 200% and 15-minute increments from 15 minutes to 24 hours.	<b>Basal #:</b> Seven basal programs with up to 24 rates per program; temporary basal rates can be set in either percentage or U/hr for 30 minutes to 12 hours in 30-minute increments.	<b>Basal #:</b> Up to 12 basal rates in four personalized programs, plus a temporary basal rate; the duration of temporary rates can be adjusted from 30 minutes to 24 hours in 30-minute intervals or 10% increments.
<b>Basal Range:</b> 0.1-unit increments from 0.1 to 25.0 U/hr.	<b>Basal Range:</b> 0.05-35 U/hr	<b>Basal Range:</b> 0.00-16 U/hr in 0.1 increments or 0.01 U/hr optional.	<b>Basal Range:</b> 0.05-35.0 U/hr	<b>Basal Range:</b> 0-30 U/hr in 0.05-unit increments	<b>Basal Range:</b> 0.05-30.0 U/hr	<b>Basal Range:</b> 0.025-25 U/hr
<b>Bolus:</b> 4 bolus delivery options. Preprogrammable bolus in increments of 0.1, 0.2, 0.5, 1.0, and 2.0 units. 5-second delivery per unit. Calculate bolus based on glucose reading and carbohydrates to be consumed.	<b>Bolus:</b> 3 bolus delivery types. Customized bolus increments of 0.05, 0.1, 0.5, 1.0, 2.0, or 5.0 units up to 75 units. Bolus duration between 1 and 5 minutes. Calculates bolus based on carbohydrates to be consumed and personalized insulin-to-carb ratios. Create up to 12 custom meal boluses.	<b>Bolus:</b> 4 bolus delivery types. Programmable bolus in increments of 0.1 units for up to 10 units; and increments of 1.0 units for up to 87 units. Delivers 1-unit in 8 seconds. Calculates bolus based on carbohydrates to be consumed and blood glucose level.	<b>Bolus:</b> 3 bolus delivery options. Programmable bolus in increments of 0.1 units for up to 25 units. Programing via audible tones or vibrations. Bolus Wizard recommends a bolus based on personal settings, food intake, and amount of insulin in your body.	<b>Bolus:</b> 3 bolus delivery options. Programmable bolus in increments of 0.05 units from 0.05 to 30.0 units.	<b>Bolus:</b> 3 bolus delivery options. Bolus delivery in increments of 0.05, 0.1, 0.5, and 1.0 units for up to 30 units. Bolus calculator determines dose based on personal settings, current blood glucose, and carbohydrate to be consumed. Has a food reference library with 1,000+ food items.	<b>Bolus:</b> 2 bolus delivery options. Meter-remote wirelessly calculates bolus and delivers within 10 feet. Delivers bolus at either 1 unit per second or 1 unit every four seconds. Bolus delivery in 0.05 increments up to 35 units. Calculates bolus based on carbohydrates and blood glucose reading. Integrated food database with 500 food items.
<b>Memory:</b> 90-day history recall of last 30 boluses, last 30 alerts, last 30 daily insulin totals, and last 30 temporary basal rate increases and decreases.	<b>Memory:</b> Stores 4,000 events.	<b>Memory:</b> Last 50 boluses, past 50 daily totals, and past 50 primes as well as past 12 alarms.	<b>Memory:</b> Last 90 days	<b>Memory:</b> 90 days of history on-screen. Stores 1 year of history.	<b>Memory:</b> 90 days (5,400 records)	<b>Memory:</b> Last 500 boluses
<b>Interact with blood glucose monitor?:</b> Yes, via use of Accu-Chek Pocket Compass software.	<b>Interact with blood glucose monitor?:</b> Yes, works with the CoZmonitor.	<b>Interact with blood glucose monitor?:</b> No	<b>Interact with blood glucose monitor?:</b> Yes, works with the OneTouch UltraLink Meter.	<b>Interact with blood glucose monitor?:</b> No	<b>Interact with blood glucose monitor?:</b> Yes, has an integrated FreeStyle blood glucose meter.	<b>Interact with blood glucose monitor?:</b> Yes, includes a meter-remote that works with pump.
<b>Interact with continuous glucose monitor?:</b> No	<b>Interact with continuous glucose monitor?:</b> Yes, works with the FreeStyle Navigator.	<b>Interact with continuous glucose monitor?:</b> No	<b>Interact with continuous glucose monitor?:</b> Yes, works with the Real-Time Continuous Glucose Monitoring System.	<b>Interact with continuous glucose monitor?:</b> No	<b>Interact with continuous glucose monitor?:</b> No	<b>Interact with continuous glucose monitor?:</b> No
<b>Occlusion Alarm:</b> Yes	<b>Occlusion Alarm:</b> Yes	<b>Occlusion Alarm:</b> Yes	<b>Occlusion Alarm:</b> Yes	<b>Occlusion Alarm:</b> Yes	<b>Occlusion Alarm:</b> Yes	<b>Occlusion Alarm:</b> Patented sensor and algorithm to detect occlusions promptly.
<b>Over-Delivery Alarm:</b> No	<b>Over-Delivery Alarm:</b> Yes	<b>Over-Delivery Alarm:</b> Yes; internal cross checks.	<b>Over-Delivery Alarm:</b> Yes. Integrated safety check motor with Bio-Pulse helps ensure no over-delivery.	<b>Over-Delivery Alarm:</b> Yes	<b>Over-Delivery Alarm:</b> No. Safety systems monitor delivery and perform safety checks on pod and PDM.	<b>Over-Delivery Alarm:</b> Yes.
<b>Near-Empty Alarm:</b> Yes	<b>Near-Empty Alarm:</b> Yes	<b>Near-Empty Alarm:</b> Yes; audible alerts at 20 units.	<b>Near-Empty Alarm:</b> Yes; by time or volume (user settable).	<b>Near-Empty Alarm:</b> Yes	<b>Near-Empty Alarm:</b> Yes, with adjustable user settings.	<b>Near-Empty Alarm:</b> Yes. With adjustable user settings of 10, 20, 30, 40, or 50 units.
<b>Warranty:</b> 4 years.	<b>Warranty:</b> 4 years.	<b>Warranty:</b> 4 years.	<b>Warranty:</b> 4 years.	<b>Warranty:</b> 4 years.	<b>Warranty:</b> 4 years.	<b>Warranty:</b> 4 years.
<b>Features:</b> Pump comes with software and handheld device that chart progress and calculate boluses based on glucose reading and carbohydrates to be consumed. Menu navigation with text and icons. Download data to computer. Supports wireless data transfer. Key lock feature. Programmable reminders and alerts. End caps add shock resistance. Backlit display.	<b>Features:</b> Monitor snaps onto the pump. Continuously calculates insulin delivery from previous boluses to prevent overdosing. Download data to computer. Waterproof. Key lock feature. Programmable reminders and alerts. Backlit display.	<b>Features:</b> Icon-driven programming. Watertight. Programmable reminders and alerts. LCD display.	<b>Features:</b> Works with the Paradigm Real-Time continuous glucose monitoring kit (purchased separately) or as a stand-alone pump. Pump displays continuous glucose monitoring readings every 5 minutes. Download data to computer. Arrows indicate glucose trends (rising, decreasing). Programmable reminders and alerts. Key lock feature.	<b>Features:</b> Pump casing is shatter-resistant and waterproof. Screen uses icons and words during programming. Pump can calculate bolus based on insulin needs, carbohydrates to be consumed, and blood glucose targets.	<b>Features:</b> OmniPod System consists of two components: the Omnipod, a compact insulin infusion set with inserter, insulin reservoir, automated cannula insertion, and no tubing; and the PDM, a handheld device that wirelessly programs the OmniPod and has an integrated FreeStyle blood glucose meter. Programmable reminders and alerts. LCD backlight. Child lock-out feature.	<b>Features:</b> OneTouch Ping includes a pump and meter-remote. Download data to computer. Flat panel, high-contrast color display screen with backlight. Waterproof.