Pump					
					Cool New Colors!
Manufacturer	Accu-Chek Spirit by Roche	Animas One Touch Ping	Animas® Vibe®	Paradigm Veo (Real Time System) by Medtronic	OmniPod
Resevoir Size	315 unit Cartridge system (see our Products page for details)	200u or 200 units	2.0 mL or 200 units	176 u (in 522) or 300u (in 722 model)	200u
Battery Type	1 standard or rechargeable AA battery	Uses one AA lithium battery. Can use a regular battery in a pinch	AA Lithium (recommended) or AA Alkaline (optional).	One AAA	PDM: 2 Alkaline AAA Batteries
Battery Life	4 week average for standard AA or 1 week with rechargeable AA	4 to 6 weeks	3 to 4 weeks for AA Lithium (recommended).	3 to 4 weeks	4 weeks

Pump size	3.2"x2.2"x.08"	3.25 x 2 x .85 inches (Meter Remote Size: 3.80 x 2.46 x 1.12 inches)	8.26 x 5.08 x 2.18 cm (3.25 x 2.00 x 0.86 in) Meter remote does not exist in Vibe. This replaced by a DexCom transmitter	522 model measures 5 x 7.6 x 2 cm 722 model measures 5 x 9 x 2 cm	OmniPod: 1.6 in. x 2.4 in. x 0.7 in. PDM: 2.6 in. x 4.3 in. x 1.0 in.
Pump weight	2.8 oz pump (4oz with filled insulin cartridge, battery and infusion set)	Approx 3.9 oz with full reservoir (Meter Remote Weight: Approx 3.88 oz)	105 grams (3.70 ounces)	522 model weighs only 100 grams with a full reservoir 722 model weighs 108 grams with a full reservoir.	OmniPod: Approximately 1.2 oz. (with full reservoir) PDM: 4.0 oz. (with batteries)
Waterproof	IPX8 (8' in depth for 60 minutes)	Waterproof at 3.6M (12 feet) for up to 24 hours	Yes – 3.6 meters (12 feet) for 24 hours.	Water resistant. It should not be worn to swim.	8 feet for 30 minutes
Luer Lock conections	yes	yes	yes	no	integrated angled infusion set with automated cannula insertion and no tubing
Lowest Basal and Bolus rates	0.1 bolus rate with bolus increments of .1,0.2,0.5,1.0, 2.0 Basal delivery in 0.1 increments up to 25.0 U/hr	.025 basal rate and .05 food bolus	.025 basal rate and .05 food bolus	0.05 U/hr	0.05 U/hr increments, up to 30 U/hr Bolus 0.05, 0.1, 0.5, 1.0 unit increments
Bolus Wizard	yes in Palm device.	ezCarb Customizable Food Database. Meter-remote can store a customized list of up to 500 foods for easy carb counting on the go.	ezCarb and ezBG features. Canada-specific 400+ item food database can be downloaded to the pump for easy carb counting on the go.	Bolus Wizard® Calculator simplifies insulin dosing and reduces math errors	Integrated food database with over 1000 common food items

Suggested bolus calculator |
| **Temporary Basal** | 10% increments from | -90% to +200% | -90% to +200% | +/- 0.05 U/hr | Percentage or U/hr |

Patterns	0% to 250% in 15 minutes windows			+/- 1%	adjustments
Easy to use menu	Reversible graphic display Side mounted tactile buttons for Quick bolus	High contrast color screen: white-on-dark type and a yellow bar that highlights each function as you navigate the screen. It has the largest screen currently available.	Yes. Complete pump screens with no scrolling required, and new navigation arrows and setup screen changes	yes	yes
Backlight	yes	Self illuminating so no backlight is needed	High-contrast OLED* colour display. (*Organic Light-Emitting Diode)	yes	yes
Works with BG monitor	yes, Accu-Chek Aviva and Accu-Chek Compact Plus	Yes, the OneTouch Ping has a pump-meter combination where the meter-remote can wirelessly control pump functions. Animas Vibe works with DexCom CGM	Integrated Dexcom G4® PLATINUM CGM for detecting glucose trends and patterns. Meter-remote not available.	Yes,Bayer's Contour Link Meter.	Built in Freestyle BG meter
Customized Alerts	Audible or vibrating bolus confirmation	Compose your own tune or set to vibrate for most pump alert sounds. As customized low cartridge alert	Warnings and alarms safety system for insulin delivery and CGM functions.	yes	Programmable reminders and alerts

Customized Basal Patterns	Five rate profiles	Four (4) basal programs with twelve (12) basal segments per program.	Four (4) basal programs with twelve (12) basal segments per program.	Four	7 programs with up to 24 segments each. Programmable in 30 minute increments
PC Compatible Software	Yes Infrared port for wireless data transfer Accu-Chek Smart Pix device(USB plug and play)	Yes. Diasend web based software available in English and French for both Mac and PC platforms.	Yes, diasend® web-based diabetes management software. Available in English and French Canadian for both PC and Mac operating systems.	Web Based - CareLink Personal, now available for Canadian customers in English and French CareLnk Pro (Desktop software that HCPs can use to remotely access their patients' information previously uploaded into CareLink Personal)	
CGMS compatible	n/a	Yes – with purchase of Dexcom G4® PLATINUM standalone CGM system sold separately.	Integrated Dexcom G4® PLATINUM CGM technology.	Yes. Uses the first of its kind, Real-Time Enlite Link sensor. This system is purchased separately.	
IOB calculator	yes 8 time blocks for carb ratios and insulin sensitvities	Yes, different insulin-to-carb ratios, insulin sensitivity factors and blood glucose targets can be set for 12 different time slots.	Yes, different insulin-to-carb (I:C) ratios, insulin sensitivity factors (ISF), and blood glucose (BG) targets can be set for 12 different time slots.	yes	yes

Personalized Insulin duration	yes	yes	yes	no	yes
Remote Bolus	no	yes	no	optional	yes
Color options	blue	Blue, pink, green, silver and black pump colours, with silver meter-remote	Blue, Black, Silver, Pink, and Green	Now in a wide range of colors including Pink!!	white
Warranty	4 years	4 years	4 years	4 years	4 Year PDM Warranty
Other	IR interface 2 tactile buttons 180 day back up pump Electronic Diary Reversible display Available in 12 languages	resistant to static electricity and has memory protection in case battery is down for an extended period Free Vacation travel loaner pump available for travel during duration of warranty.	New "Jump to value" bolus recommendation feature. New contrast button/CGM shortcut awakens the pump to the last displayed CGM Data or Trend Screen. Free vacation loaner pump available during duration of warranty	RF Technology that allows the smart pump to upload data into CareLink. This technology also allows the Contour Link meter to send blood glucose readings to the pump	