






INSULIN PUMPS

| Pump | Size (cm) | Weight | Screen size (mm ²) | Colours | Basal increment | Total basals | Basal profiles | Memory | Battery life | Guarantee (years) | Waterproof? | Manufacturer's description |
|---|--|---|--------------------------------|---|---------------------|-----------------------------------|----------------|--|---|-------------------|--|---|
|  Dana R Advanced Therapeutics (UK) Ltd | 7.5x 4.5x 1.9 | 63g (2.2oz) including battery | Pump: 595 Remote: 595 | Pink, green, black, grey, white | 0.01u/hr or 0.1u/hr | 24/day | 4 | 500 bolus, 100 prime, 200 daily totals, 500 carbohydrate and 500 blood glucose readings. | 6–8 weeks | 4 | Watertight (international protection rating IPX8) | Small remote control with screen and integrated blood glucose monitor (wireless communication with pump); meal bolus calculator with ability to set different carb:insulin ratios depending on time of day; tracks insulin on board; audible reminder to check blood glucose after meal; all data downloadable to PC. Four insulin sensitivity factors; several alarms; bolus frequency restriction; 3ml (300u cartridge); 23 languages; doctor mode. |
|  Animas 2020 Animas | 7.6x 5.1x 2.2 | 92g (3.2oz) including battery and cartridge | 992 | Pink, green, silver, blue, black | 0.025u | 12/day | 4 | Last 500 bolus, 60 prime, 120 daily totals, 30 alarms, 30 suspends and 270 basal records. | Uses one AA lithium battery, lasting 5–7 weeks | 4 | Waterproof to 12ft for up to 24 hours | Bolus calculator with customisable food database; high-contrast flat-panel colour screen (viewable in dark); tracks insulin on board to help prevent hypos through 'stacking'; up to 12 personalised settings for blood glucose targets; 12 carb:insulin ratios and 12 insulin sensitivity factors; customisable basal programs; personalised audio notification; temporary basal rate; resistant to static electricity. |
|  Paradigm Veo 554 & 754 Medtronic | Veo 554 8.3x 5.1x 2 Veo 754 9.4x 5.1x 2.1 | 95g (3.4oz) including battery 102g (3.6oz) including battery | 900 | Blue, silver, pink, purple, black | 0.025u | 48/day | 3 | Glucose level statistics (based on finger prick and continuous glucose monitoring readings). 90 days' memory with 31 days' visible on pump screen. Manages basal and bolus insulin delivery, blood glucose data and food intake with averages. | 3 weeks | 4 | Watertight to 1m for up to 30 minutes | Bolus Wizard calculator; missed-meal bolus reminder; capture events feature; low reservoir and battery alerts; silent/vibrate alert options; backlight; keypad lock; remote control; wireless and automatic communication with ContourLink blood glucose monitor; CareLink therapy management software to download information; built-in continuous glucose monitoring features, including Low Glucose Suspend feature. |
|  Accu-Chek Combo Roche Diabetes Care | 8.1x 5.5x 2 | 103g (3.6oz) including batteries | Pump: 600 Handheld: 945 | Black. Skins: Black, white, yellow, green, turquoise, transparent, pink, blue | 0.01u/hr | 24/day | 5 | 1,000 diary entries (handheld); permanent memory (pump). Time and date stored for 1 hour after battery removed. Other pump settings and event memory saved regardless of battery status. | Uses lithium batteries. Pump: 200 days with Bluetooth off; 80 days with Bluetooth on. Handheld: 3–5 weeks | 4 | Watertight (international protection rating IPX8) | Easy to use, safe and discreet interactive pump therapy. Fast occlusion detection using a unique predictive alarm. Handset incorporates: remote control to fully control the pump via Bluetooth, so no need to remove pump from clothes to operate; easy, quick and accurate bolus advisor; range of safety reminders and alarms; large colour display showing all diabetes information at a glance. Compatible with Accu-Chek Smart Pix and Accu-Chek 360 download software. |
|  mylife OmniPod Insulet Corporation | PDM: 6.4x 11.4x 2.5 Pod: 4.1x 6.2x 1.7 | PDM: 125g (4.4oz) including batteries. Pod: 34g (1.2oz) with full reservoir | 1,728 | Blue | 0.05u | Each program can have 24 segments | 7 | 90 days of insulin delivery, blood glucose, carbohydrate and alarm data (up to 5,400 records). | PDM: 3 weeks | 4 | Pod is waterproof to 25ft for up to an hour (international protection rating IPX8) | No tubing required. System includes a disposable Pod that is worn for 72 hours and a PDM (Personal Diabetes Manager) that wirelessly controls the Pod's functions. The Pod integrates the infusion set, cannula, 200u reservoir and automated inserter. The PDM includes a bolus calculator; a built-in FreeStyle blood glucose meter; temporary basal rate options; and meal, correction, normal or extended bolus options. |