




Evolution of the Dual Infusion pump

	Twins UK	BD Branded 2019	BD Branded 2023 updates
			
Pump charger	Display/8.4V/2xDrop Sensor/Dedicated Bodycomm Cable	Display/8.2V/2xDrop Sensor/Dedicated Bodycomm Cable	Display/8.2V/2xDrop Sensor/Dedicated Bodycomm Cable
Pumping mechanism	Piston pump	Peristaltic	Peristaltic
Programs	Continuous, Intermittent, TPN 25 Steps Dose Mode (drug Library). Drug names limited to 10 characters maximum.	Continuous, Intermittent, TPN 25 Steps Dose Mode (drug Library). Drug names limited to 16 characters maximum.	Continuous, Intermittent, TPN 25 Steps Dose Mode (drug Library). Drug names limited to 16 characters maximum.
Accuracy	+/- 5%	+/- 5%	+/- 5%
Drug library	100 drug protocols and 25 departments	128 drug protocols for 25 departments	128 drug protocols for 25 departments
Transport certificate	Road transport - Air transport is dependent on airline, but device must be turned off on an aircraft.	Road transport - Air transport is dependent on airline, but device must be turned off on an aircraft.	Road transport - Air transport is dependent on airline, but device must be turned off on an aircraft.
Intrathecal – route of administration	No	Yes	Yes
Charger display (LED colour)	Red	Blue with Night Mode now added	Blue and Night Mode
Priming rate	100-1,200 mL/hr	100-1,200 mL/hr	100-1,200 mL/hr
Priming volume	0-60 mL	0-60 mL	0.1-60 mL
Flow rate	0.1-800 mL/hr as per FSN MMS-21-4135	0.1-800 mL/hr as per FSN MMS-21-4135	0.1-800 mL/hr as per FSN MMS-21-4135

KVO rate	0.1-5 mL/hr (0 off)	0.1-20 mL/hr (0 off)	0.1-20 mL/hr (0 off)
Near end of infusion alarm	N/A	Approx. 5 minutes before program end	Can be disabled in Continuous and Dose mode. Adjustable 0-15 minutes.
Battery life	7.5hrs infusing @ 125ml/h (both channels infusing simultaneously)	22h at 25 mL/hr 17h at 125 mL/hr	≥ 12 hours at 25 mL/hr ≥ 8 hours at 125 mL/hr
Battery charging	4h from fully depleted	4h from fully depleted	4h from fully depleted
Pressure default	Level 6 - 480 mmHg	540 mmHg	540 mmHg
Bolus rate	Adjustable 50-300 mL/hr as per FSN MMS-21-4135	Adjustable 50-300 mL/hr as per FSN MMS-21-4135	Adjustable 50-300 mL/hr as per FSN MMS-21-4135
Maximum bolus volume	0-100 mL	0-100 mL	0-100 mL
Air in line limit	0.04-1.0 mL	0.04-2.0 mL	0.04-2.0 mL
Occlusion pressure	6 levels: 1 (60 mmHg) 2 (90 mmHg) 3 (150 mmHg) 4 (240 mmHg) 5 (360 mmHg) 6 (480 mmHg)	100 mmHg to 1,500 mmHg (in increments of 10 mmHg)	100 mmHg to 1,500 mmHg (in increments of 10 mmHg)
Weight (without pump charger)	390g without battery; 450g with battery	556g with battery	556g with battery
Weight (with pump charger)	600g	600g	1,066g
Notes			Software Update should be applied as part of FSN MMS-20-3893 to Duo 2019 to ensure alignment on functionality