

Infusion Pump VP1



Features:

1. Compatible with universal infusion set
2. High accuracy of $\pm 3\%$ after correct calibration
3. Three working modes: Rate Mode, Time Mode, Volume Mode
4. With more than 2000 history events can be recorded in the pump
5. Adjustable KVO rate 0.1~5.0 ml/h
6. Brightness could be adjustable to adapt the clinical use of the environment

CE Marked ISO13485

Add: Room 709-717, Building 1, Haiping Park, No. 229, Guyuan Road, High-Tech Zone, Changsha, Hunan, China.

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Changsha Deepmed Medical Technology Co; Ltd.

Technical Specifications of Infusion pump

PARAMETER	SPECIFICATION
Fit IV tubes	Can be used with any brand IV set after exactly calibration
Pump Type	Peristaltic finger pump
Accuracy	±3%
Delivery rate range	0.1ml/h~1200ml/h (0.1ml/h~99.9ml/h, 0.1ml/h step; >99.9ml/h, 1ml/h step)
Delivery time range	00h01min~99h59min (1 min step)
Volume limit range:	0.0-9999ml (1 ml step)
Total Volume Range	0.0-9999ml (1 ml step)
Purge Rate	600.0ml/h
KVO Rate	0.1~5.0ml/h. Programmable and adjustable
Occlusion pressure	Three level setting LOW, MEDIUM or HIGH
Alarms	Near empty, IV set empty, Volume complete (when limit volume is set), Occlusion, Operation error, Low battery, device failures. Three levels of alarm volume LOW, MEDIUM or HIGH
Dose Mode	Volume: 0.1-999.9ml(0.1ml step) DRUG MASS: 0.1-999.9mg 0.1mg step DOSE: 0.001-9999ug/kg/min(0.001ug/kg/min step) WEIGHT: 0.1-300kg(0.1kg the least step) Dose unit: ng/kg/min,ug/kg/min,mg/kg/min,g/kg/min,ug/kg/h, mg/kg/h,g/kg/h,ug/min,mg/min,g/min,ug/h,mg/h,g/h,U/min,U/h,IU/h,U/kg/h,ml/h
Bolus function	Bolus rate:0.1~1200ml/h,Bolus volume:1.0~100ml Programmable and adjustable, Automatic/Manual bolus available
Drug library Mode	10 categories of drugs, amounts to 1030 kinds of drug names, 17kinds of dose units, such as ug/kg/min, mg/kg/min,etc. Makes drug dispensing more convenient and safer. (Available for VP3 only)
Sequential mode	Available for VP3 only
Interface	RS-232
Brightness	1~10 levels can be selected
History records	2000 events stored can be checked and downloaded
Power source	AC power supply: AC 100 to 240V(+/-10%), 50/60Hz; DC Power supply: 12~15V, power>15W; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 12 hours of continuous operation
Accessories:	AC power line, Operational manual
Protection Class	Class I, Type CF, IPX4
Dimension /N.W	120mm*100mm*215mm , 1.8kg
Packing size/G.W	300mm*260mm*160mm, 2.5KG

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Infusion Pump with Drug Library VP3



Features:

1. Delivery range: 0.1ml/h~1200ml/h.
2. High accuracy $\pm 3\%$ after correct calibration
3. Five work modes: Rate Mode, Time Mode, Dose Mode, Sequential Mode and Drug library Mode.
4. Manual or Automatic Bolus /Purge/KVO function can be selected.
5. Vertical & Horizontal mounting clamp.
6. Anti-bolus system to reduce significantly after occlusion sudden release.
7. DPS dynamic pressure display.
8. 2000 events stored can be checked and downloaded.
9. Large LCD display, the brightness can be adjusted to adapt to the clinical use of the environment.

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Technical Specifications of Infusion pump (DPfusion VP3)

PARAMETER	SPECIFICATION
Fit IV tubes	Can be used with any brand IV set after exactly calibration
Pump Type	Peristaltic finger pump
Accuracy	±3%
Delivery rate range	0.1ml/h~1200ml/h (0.1ml/h~99.9ml/h, 0.1ml/h step; >99.9ml/h, 1ml/h step)
Delivery time range	00h01min~99h59min (1 min step)
Volume limit range:	0.0-9999ml (1 ml step)
Total Volume Range	0.0-9999ml (1 ml step)
Purge Rate	600.0ml/h
KVO Rate	0.1~5.0ml/h. Programmable and adjustable
Occlusion pressure	Three level setting LOW, MEDIUM or HIGH
Alarms	Near empty, Syringe empty, Volume complete (when limit volume is set), Occlusion, Syringe loose, Operation error, Low battery, device failures. Three levels of alarm volume LOW, MEDIUM or HIGH
Dose Mode	Volume: 0.1-999.9ml(0.1ml step) DRUG MASS: 0.1-999.9mg 0.1mg step) DOSE: 0.001-9999ug/kg/min(0.001ug/kg/min step) WEIGHT: 0.1-300kg(0.1kg the least step) Dose unit: ng/kg/min,ug/kg/min,mg/kg/min,g/kg/min,ug/kg/h,mg/kg/h, g/kg/h,ug/min,mg/min,g/min,ug/h,mg/h,g/h,U/min,U/h,IU/h,U/kg/h,ml/h
Bolus function	Bolus rate:1.0~1200ml/h,Bolus volume:1.0~100ml Programmable and adjustable, Automatic/Manual bolus available
Drug library Mode	10 categories of drugs, amounts to 1030 kinds of drug names, 17kinds of dose units, such as ug/kg/min, mg/kg/min,etc. Makes drug dispensing more convenient and safer. (Available for VP3 only)
Sequential mode	Available for VP3 only
Interface	RS-232
Brightness	1~10 levels can be selected
History records	2000 events stored can be checked and downloaded
Power source	AC power supply: AC 100 to 240V(+/-10%), 50/60Hz; DC Power supply: 12~15V, power>15W; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 12 hours of continuous operation
Accessories:	AC power line, Operational manual
Protection Class	Class I, Type CF,IPX4
Dimension /N.W	120mm*100mm*215mm , 1.8kg
Packing size/G.W	300mm*260mm*160mm, 2.5KG

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Stackable Syringe Pump SP1



Features:

1. Compatible with universal syringe from 5/10/20/ 30/50ml, 60ml
2. High accuracy of $\pm 2\%$ after correct calibration
3. Unique remaining infusing time display
4. Maximum stackable to 8 channels
5. Three working modes: Rate Mode, Time Mode, Body-weight Mode
6. With more than 2000 history events can be recorded in the pump
7. 10 hours continuous work after fully charged
8. Anti-bolus system to reduce bolus significantly after occlusion sudden release
9. 360 degree rotating pole clamp, can be fixed syringe pump both in horizontal and vertical directions

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Technical Specifications of Syringe pump

PARAMETER	SPECIFICATION
Applicable syringes	5ml, 10ml, 20ml, 30ml, 50ml, 60ml of any standard
Accuracy	±2% with correct calibration
Rate Mode	50(60)ml syringe: 0.1-2000.0ml/h (0.1ml/h step) 30ml syringe: 0.1-1200.0ml/h (0.1ml/h step) 20ml syringe: 0.1-1200.0ml/h (0.1ml/h step) 10ml syringe: 0.1-400.0ml/h (0.1ml/h step) 5ml (2/3ml) syringe: 0.1-200.0ml/h (0.1ml/h step) (OEM Programmable 0.01-9999.90ml/h)
Time Mode	SOL.VOL:0.1-999.9ml (0.1 ml step) Time:1-1999min (1 min step)
Body Weight Mode	Volume: 0.1-999.9ml(0.1ml step) Drug Mass: 0.1-999.9mg (0.1mg step) Dose: 0.001-9999ug/kg/min(0.01ug/kg/min step) Weight: 0.1-300KG(0.1kg the least step)
Total Volume Range	0.1-9999.9ml (0.1 ml step)
Purge Rate	50ml(60ml): 2000.0ml/h 30ml: 1200.0ml/h, 20ml:800ml/h 10ml: 400ml/h, 5ml: 200 ml/h Programmable and adjustable
KVO Rate	0.1~5.0 ml/h or the last delivery rate when it is smaller
Occlusion pressure	Three level setting LOW, MEDIUM & HIGH
Alarms	Near empty, Syringe empty, Volume complete (when limit volume is set), Occlusion, Syringe loose, Operation error, Low battery, device failures. Three levels of alarm volume LOW, MEDIUM or HIGH
Bolus Rate	50ml(60ml): 0.1-2000.0ml/h 30ml: 0.1-1200.0ml/h, 20ml:0.1-800ml/h 10ml: 0.1-400ml/h, 5ml: 0.1-200 ml/h Programmable and adjustable
Bolus Volume	Range:1.0-100.0ml, Increment:0.1ml
Interface	RS-232 (Optional)
History records	2000 events stored can be checked and downloaded
Power source	AC power supply: AC 100 to 240V(+/-10%), 50/60Hz; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 10 hours of continuous operation
Accessories:	AC power line, Operational manual
Protection Class	Class I, Type CF,IPX4
Dimension /N.W	385mm*155mm*117mm , 2.5kg

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Syringe Pump with Drug Library SP3



Features:

1. Compatible with universal syringe from 5/10/20/30/50ml& 60ml
2. High accuracy of $\pm 2\%$ after correct calibration
3. Five working modes: Rate Mode, Time Mode, Body-weight Mode, Program control mode and Drug library mode
4. With drug library: 16 categories of common drugs totally contains 1030 drug names
5. With more than 2000 history events can be recorded in the pump
6. Anti-bolus system to reduce bolus significantly after occlusion sudden release
7. 360 degree rotating pole clamp, can be fixed syringe pump both in horizontal and vertical directions

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Technical Specifications of Syringe pump

PARAMETER	SPECIFICATION
Applicable syringes	5ml, 10ml, 20ml, 30ml, 50ml, 60ml of any standard(2 & 3ml as optional)
Accuracy	±2% with correct calibration
Rate Mode	50(60)ml syringe: 0.1-2000.0ml/h (0.1ml/h step) 30ml syringe: 0.1-1200.0ml/h (0.1ml/h step) 20ml syringe: 0.1-1200.0ml/h (0.1ml/h step) 10ml syringe: 0.1-400.0ml/h (0.1ml/h step) 5ml (2/3ml) syringe: 0.1-200.0ml/h (0.1ml/h step) (OEM Programmable 0.01-9999.90ml/h)
Time Mode	SOL.VOL:0.1-999.9ml (0.1 ml step) Time:1-1999min (1 min step)
Body Weight Mode	Volume: 0.1-999.9ml(0.1ml step) Drug Mass: 0.1-999.9mg (0.1mg step) Dose: 0.001-9999ug/kg/min(0.01ug/kg/min step) Weight: 0.1-300KG(0.1kg the least step)
Total Volume Range	0.1-9999.9ml (0.1 ml step)
Purge Rate	50ml(60ml): 2000.0ml/h 30ml: 1200.0ml/h, 20ml:800ml/h 10ml: 400ml/h, 5ml: 200 ml/h Programmable and adjustable
KVO Rate	0.1~5.0 ml/h or the last delivery rate when it is smaller
Occlusion pressure	Three level setting LOW, MEDIUM & HIGH
Alarms	Near empty, Syringe empty, Volume complete (when limit volume is set), Occlusion, Syringe loose, Operation error, Low battery, device failures. Three levels of alarm volume LOW, MEDIUM or HIGH
Bolus Rate	50ml(60ml): 0.1-2000.0ml/h 30ml: 0.1-1200.0ml/h, 20ml:0.1-800ml/h 10ml: 0.1-400ml/h, 5ml: 0.1-200 ml/h Programmable and adjustable
Bolus Volume	Range:1.0-100.0ml, Increment:0.1ml
Drug library Mode	16 categories of common drugs, amounts to 1030 kinds of drug names, Makes drug dispensing more convenient and safer.
Interface	RS-232 (Optional)
History records	2000 events stored can be checked and downloaded
Power source	AC power supply: AC 100 to 240V(+/-10%), 50/60Hz; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 10 hours of continuous operation
Accessories:	AC power line, Operational manual
Protection Class	Class I, Type CF,IPX4
Dimension /N.W	385mm*155mm*117mm , 2.5kg

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