Meditec Infusion Pumps

Syringe & Volumetric Infusion Pumps

ALLIED MEDICAL | MEDITEC ENGLAND

**Meditec IP200
Volumetric Infusion Pump**

Meditec England IP200 is a microprocessor controlled high-precision, intelligent drip type infusion pump, which is capable of accurately controlling the delivery rate of disposable IV set and monitoring the infusion course.

It is specially suitable for clinical treatments which require continuous and precisely controlled infusion at a constant rate. It is widely used in internal medicine, surgical, paediatrics, obstetrics, ICU, CCU wards, operating rooms and other clinical infusion treatments.

Convenient Operation

Flexible stack meets demands of different bedside infusion. It is convenient for transportation of patients when it installs on the elaborate handle.

Modular Design

Suitable for mounting both syringe pumps as well as volumetric infusion pumps simultaneously in quantity 3 or more (in multiples of 3).

Syringe and infusion pumps apply the same operation panel and every pump is an independent infusion module, all these are for the convenience of operation and user training.

High Strength Shell

The shell is made from PBT plastic and it has well characteristics of resistance to corrosion. The corrosion risk of medicine leakage could be avoided.

Accurate

Sophisticated stepper motor and driving system apply 256 sub-drive programs, and the motor accuracy is as high as 36.6 nano per step and the stepping value rate is 0.01 ml/h, it can totally meet clinic demands of toxic and anaesthetic infusion or the high accuracy neonatal infusion.

Meditec IC20 Infusion Workstation
Docking Station (Optional)

Touch Screen

Event Log : Can store up to 2000 events like Alarm Logs, Infusion Log and Operation logs.

Drug Storage : Can store up to 100 drugs under specific drug category e.g. Anaesthesia Common Gas, Hypertension Drug, ICU Common drug etc.

Meditec SP200
Syringe Infusion Pump

Meditec England SP200 syringe pump has been designed to combine high level of safety and performance with simple & reliable operation. SP200 offers comprehensive range of features making it ideal for general, critical care & neonatal infusion where accuracy is important.

SP200 syringe pump has fast start functions, which can eliminate error caused by starting delay.

Dual CPU design assures the safety of system.

Easy to Operate

SP200 applies 3.5 inch color touch screen and mobile style UI design and it is easy to operate. Abundant infusion modes meet various clinic demands without complicated conversion and operation. The daytime mode and night mode could be switched automatically, and it is not necessary to set one by one and so the noise pollution would be decreased effectively.
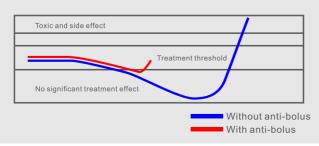
Intelligent

It has wi-fi and network interface, which can work with DOCK as a bedside infusion workstation (docking station). All data can be monitored in real-time, and data acquisition and transmission can be done automatically, all above brings you to an intelligent infusion management generation.
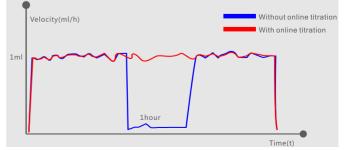
Control Panel

Central Station control panel has facility to connect up to 16 beds i.e. syringe pumps or volumetric pumps at a time.

Meditec IC20 Infusion Workstation
with Control Panel - Docking Station (Optional)

Online Titration and Anti-bolus Functions

Both IP200 & SP200 have online titration and anti-bolus functions, which can avoid the adverse reaction caused by blood concentration.

Comparison chart of anti-bolus

Velocity can be modified in working status

Technical Specifications

IP200

Screen	3.5 inches TFT Color touch screen, resolution: 480*272, with 9 adjustable brightness levels
Keypad	9 Function keys with navigation
Stack-able	Yes (Multiples of 3) Docking Station for power only (Meditec IC20) - Optional Docking Station for Central Monitoring (Meditec IC20) - Optional
Operating Modes	Rate Mode, V-T Mode, Dosage Mode, R-T Mode Loading Dose, Sequence Mode, Ramping Mode, Intermittent Mode, Relay Mode (optional)
IV Set	4 Preset IV brands, 6 new brands can be added, brand name editable
Flow Rate Deviation	$\leq \pm$ 2% ($\pm$ .0.5% on mechanism deviation)
Flow Rate Range	0.10–2000ml/h
Flow Rate Increment	0.01ml/h for 0.10ml/h–99.99ml/h 0.1ml/h for 100.0ml/h–999.9ml/h 1ml/h for 1000ml/h–2000ml/h
VTBI Range	0.10–9999.99 ml
VTBI Increment	0.01ml for 0.10 ml/h–99.99ml/h 0.1ml for 100.0ml/h–999.9ml/h 1ml for 1000ml/h–9999ml/h
VTBI Time Range	0:00:01–99:59:59 (hh:mm:ss)
Bolus	Manual & Automatic
Bolus rate	0.10–2000ml/h
Auto Bolus VTBI	0.1–5ml, at 0.1ml increment
KVO Rate	0.1–5ml, at 0.1ml increment
Occlusion Pressure	11 adjustable setting, 10–135 Kpa
Dynamic Pressure Surveillance	DPS, yes
Bubble Detection	2 adjustable leves single bubble size 30ul, 100ul, 300ul
Audio and Visual Alarms	AC Power Interruption, DC Power Interruption, Low Battery, Depleted Battery, Forget Reminder, Infusion Near End, Infusion Complete, Door Open, Flow Rate, Syringe Unlocked, System Exception, Upstream Occlusion, Bubble detection Alarm
Drug Library	Up to 100 from specified drug category Optional - Programmable with DERS (Drug Error Revise System)
Event Log	2000 logs
Parameters Adjustable	YES (during infusion)
Anti-Bolus Function	YES, less than 0.05ml
Anti-Free flow	Yes
Key Lock	Yes
Night Mode	Programmable and auto shift
Alarm	3 alarm grades, 9 adjustable sound volume settings
Data Port	P1 connector (Optional)
Dual CPUs	Yes
Waterproof	IPX5
Classification	Class I, CF
Power	AC: 100V – 240V, 50Hz/60Hz, 35VA
Battery	Rechargeable lithium-ion battery 10-15V/2.5A Battery Life: $\geq$8 hours at 25ml/h
Charging Time	$\leq$4 hours
Dimensions & Net Wt.	240mm x 175mm x 80mm; 1.8kg
Packing & Gross Wt.	414mm x 238mm x 154mm; 2.8kg

SP200

Screen	3.5 inches TFT Color touch screen, resolution:480*272,with 9 adjustable brightness levels
Keypad	9 Function keys with navigation
Stack-able	Yes (Multiples of 3) Docking Station for power only (Meditec IC20) - Optional Docking Station for Central Monitoring (Meditec IC20) - Optional
Syringe Modes	Rate Mode, Volume-Time, Dosage Mode, R-T Mode Loading Dose, Sequence Mode, Intermittent Mode, Ramping Mode, Relay Mode (optional)
Syringes	Auto size detection of 5/6ml, 10ml, 20ml, 30ml, 50/60ml syringes
Syringe Management	4 Preset IV brands, 6 new brands can be added, brand name editable (Optional)
Flow Rate Deviation	$\leq \pm$ 2% ($\pm$ .0.5% on mechanism deviation)
Flow Rate Range	5/6ml syringe: 0.10–150.0ml/h 10ml syringe: 0.10–300.0ml/h 20ml syringe: 0.10–600.0ml/h 30ml syringe: 0.10–800.0ml/h 50/60ml syringe: 0.10–2000ml/h
Flow Rate Increment	0.01ml/h for 0.10ml/h–99.99ml/h 0.1ml/h for 100.0ml/h–999.9ml/h 1ml/h for 1000ml/h–2000ml/h
VTBI Range	0.10–9999.99ml
VTBI Increment	0.01ml for 0.10ml/h–99.99ml/h 0.1ml for 100.0ml/h–999.9ml/h 1ml for 1000ml/h–9999ml/h
VTBI Time Range	0:00:01–99:59:59 (hh:mm:ss)
Bolus	Manual & Automatic
Bolus rate	5/6ml syringe: 0.10 – 150.0ml/h 10ml syringe: 0.10 – 300.0ml/h 20ml syringe: 0.10 – 600.0ml/h 30ml syringe: 0.10 – 800.0ml/h 50/60ml syringe: 0.10–2000ml/h
Auto Bolus VTBI	0.1–5ml, at 0.1ml increment
KVO Rate	0.1–5ml, at 0.1ml increment
Occlusion Pressure	11 adjustable setting, 10~135 kPa
Dynamic Pressure Surveillance	DPS, yes.
Auto calibration	Yes
Audio & Visual Alarms	AC Power Interruption, DC Power Interruption, Low Battery, Depleted Battery, Forget Reminder, Infusion Near End, Infusion Complete, Injector Empty, Flow Rate, Syringe Unlocked, System Exception
Drug Library	Up to 100 from specified drug category Optional - Programmable with DERS (Drug Error Revise System)
Event Log	2000 logs
Parameters Adjustable	YES (during infusion)
Anti-Bolus Function	YES, release 70% pressure of the peak value
Key Lock	Yes
Night Mode	Programmable and auto shift
Alarm	3 alarm grades, 9 adjustable sound volume settings
Data Port	P1 connector (Optional)
Dual CPUs	Yes
Waterproof	IPX4
Classification	Class I, CF
Power	AC: 100V–240V, 50Hz/60Hz, 35VA
Battery	Rechargeable lithium-ion battery 10-15V/2.5A Battery Life: $\geq$8 hours at 5ml/h
Charging Time	$\leq$4 hours
Dimensions & Net Wt.	280mm x 170mm x 80mm; 1.8kg
Packing & Gross Wt.	414mm x 238mm x 154mm; 2.8kg