

MP-30 Syringe Pump



Small

- Compact design help space-saving
- Light and easy carrying
- Stackable design, connectable with pumps or workstation

Smart

- User-defined screen brightness and background colors
- Relay function between pumps on any mode and auto shift therapies without pause

Safe

- High accuracy
- Visual, audible alarm information
- Occlusion levels adjustable
- Real-time monitoring infusion states

Sophisticated

- Wi-Fi function available
- Connectivity even in transport
- Compatible with HIS/CIS system
- Connectable with infusion central monitoring system

Simple

- Convenient touchscreen design
- Intuitive operation
- Easy management of infusion
- Clear interface for easy-read information

Specifications

Dimension	252(W) x 74(H) x 133(D) mm
Weight	< 1.6kg (including battery)
Classification	Defibrillation-proof type CF applied part, IPX2
Screen	2.4" LCD touchscreen, 7 colors selectable
Compatible Syringes	All syringes of 10ml, 20ml, 30ml, and 50/60ml conforming to the standard

Basic Parameter

Infusion mode	Rate, Time, Weight, Sequence, Relay mode	
Infusion rate range	0.1-300.0 ml/h (10ml syringe)	0.1-600.0ml/h (20ml syringe)
	0.1-900.0ml/h (30ml syringe)	0.1-2000ml/h (50/60ml syringe)
	0.10 – 99.99 ml/h, minimum increment 0.01 ml/h	
Increment	100 – 999.9 ml/h, minimum increment 0.1 ml/h	
	1000 – 1200 ml/h, minimum increment 1ml/h	
	0.0-99.99ml (minimum increment 0.01)	
VTBI range	100 – 999.9 ml(minimum increment 0.1)	
	1000 – 9999 ml(minimum increment 1)	
	00:01 – 99:59 (hh:mm) adjustable, step by 1 min	
Preset time	00:01 – 99:59 (hh:mm) adjustable, step by 1 min	
Accumulated volume	0 – 9999.99 ml	
Accuracy	Mechanical accuracy: $\pm 1\%$, Accuracy including syringe: $\pm 2\%$	
KVO rate	0.1 – 5.0 ml/h adjustable, step by 0.01 ml/h, default rate 1ml/h	
Bolus rate	0.1-300.0 ml/h (10ml syringe)	0.1-600.0ml/h (20ml syringe)
	0.1-900.0ml/h (30ml syringe)	0.1-2000ml/h (50/60ml syringe)
	1200.0 ml/h	
Purge rate	1200.0 ml/h	
Occlusion level	3 levels selectable, (300mmHg, 550mmHg, 900mmHg)	

Special Function

Rate change in infusion	Infusion rate can be changed anytime during infusion without stop
Relay function	Relay function is available with workstation, it allows two pumps that under any infusion mode shift without pause
Auto screen lock	This function can be set to OFF, 15s, 30s, 1min, 10min or 30min The default value is OFF
Repeat alarming	Alarm sounds again in 2min, if there is still any errors after the alarm is muted
Event recording	Maximum 2000 events can be stored for review
Sound Volume	11 levels selectable
Power supply switching	When AC/DC power supply is cut off, the infusion automatically switch to internal battery supply

Power Supply

AC power	100 -240 V, 50/60 Hz, power consumption 45 VA
External DC power	DC 12 V, 1 A
Internal battery	Lithium battery 7.2 V, 2600 mAH
Battery duration	≥ 6 hours @ 5ml/h (with a new battery) , 10 hours to fully charge

Alarm

Visual and acoustic alarm	Near Finished, Finished, Syringe Empty, Near empty, OCCL, Low Battery, Battery Empty, No Battery, No Power Supply, Unknown Syringe, Syringe Install Error, Standby Time Expired, Relay Index Duplicate, Syringe Start Fail, Reminder Alarm, OCCL Risk, Tube Off (Only suitable for 30ml, 50/60ml syringes)
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Connectivity

WiFi / Wired	To connect central infusion monitoring system, nurse pager
Barcode scanning	Patient information input by barcode scanner
Data interface	USB*3, LAN, RS485, Wi-Fi (optional)

Mounting

Workstation	Supported
Between pumps	Stackable between any MP series syringe / infusion pumps produced by Medcaptain
Handle	Available
Pole clamp direction	Can be mounted at different directions, 90°/180°/270°/360°

Safe Requirement

Operating conditions	Temperature: 5°C to 40°C Humidity: 15% to 95% RH, non-condensing Pressure altitude: 70.0 kPa – 106.0 kPa
Storage conditions	Temperature: -20°C to +50°C Humidity: 10% to 93% RH, non-condensing Pressure altitude: 22.0 kPa – 107.4 kPa



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