

MP-30A Syringe Pump



Small

Compact design helps saving space.
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.
Well-designed automatic anti-free-flow clamp.

Specifications

Dimension	244(W) × 74(H) × 164(D)mm
Weight	< 1.6 kg (including battery)
Classification	Type CF, Class I, IPX2
Screen	2.4" LCD touchscreen, 7 colors selectable
Compatible IV set	All syringes of 5ml, 10ml, 20ml, 30ml, 50ml/60ml conform to the standard

Basic Parameter

Infusion mode	Rate, Time, Weight, Sequence, Relay, Loading Dose, Trapezia, Micro, TIVA
Infusion rate range	0.1-100.0ml/h (5ml syringe) 0.1-300.0ml/h (10ml syringe) 0.1-600.0ml/h (20ml syringe) 0.1-900.0ml/h (30ml syringe) 0.1-2000.0ml/h (50/60ml syringe)
Increment	0.10 - 99.99 ml/h, minimum increment 0.01ml/h 100 - 999.9 ml/h, minimum increment 0.1ml/h 1000 - 2000 ml/h, minimum increment 1ml/h
VTBI range	0.1 - 99.99ml (minimum increment 0.01) 100 - 999.9ml (minimum increment 0.1) 1000 - 9999ml (minimum increment 1)
Preset time	00:00 - 99:59 (h:m) adjustable, step by 1min
Accumulated volume	0 - 99999.99ml
Accuracy	Mechanical accuracy: ±1%, Accuracy including syringe: ±2%
KVO rate	0.1 - 5.0mL/h adjustable, step by 0.01ml/h, default rate: 1ml/h
Bolus rate	0.1-100.0ml/h (5ml syringe) 0.1-300.0ml/h (10ml syringe) 0.1-600.0ml/h (20ml syringe) 0.1-900.0ml/h (30ml syringe) 0.1-2000.0ml/h (50ml/60ml syringe) 3 bolus ways selectable: Automatic/ Manual/ Rapid quantitative Bolus
Purge rate	100.0ml/h (5ml syringe) 300.0ml/h (10ml syringe) 600.0ml/h (20ml syringe) 900.0ml/h (30ml syringe) 2000.0ml/h (50ml/60ml syringe)
Occlusion level	11 levels selectable, 225mmHg-975mmHg (30kPa-130kPa)

Simple

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

Sophisticated

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

Speed

Easy-accessed automatic pump door.
20 recent therapies for fast set up.
Drug library integrated.

Special Function

Recent therapy	20 recent therapies are recorded and can be directly by simple selection
Rate change during infusion	Infusion rate can be changed anytime during infusion, not necessary to stop infusion before change
Relay function	Relay infusion 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, 2min, 5min, 10min, or 30min The default value is OFF
Drug library	More than 1000 drugs available with soft and hard limit editable, up to 5000 drugs can be built in
Repeat alarming	Alarm sounds again in 2 minutes, 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	100-240V, 50/60Hz, power consumption 45VA
External DC power	DC 12V, 1A
Internal battery	Lithium battery 7.2V, 2600mAH
Battery duration	> 6 hours @ 5 mL/h for a new battery

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
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Connectivity

WiFi / Wired	To connect central infusion monitoring system, nurse pager, voice communication
Barcode scanning	Patient information input by barcode Scanner
Data interface	USB X3, LAN, RS485, Wi-Fi (optional)

Mounting

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

Safety Requirement

Storage conditions	Temperature: -20°C to +55°C Humidity: 10% to 93% RH Pressure altitude: 22.0kPa-107.4kPa
Operating conditions	Temperature: 5°C to 40°C Humidity:15% to 95% RH Pressure altitude: 70.0kPa-106.0kPa

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MEDCAPTAIN MEDICAL TECHNOLOGY CO., LTD.



Add: 12th Floor, Baiwang Research Building, No.5158 Shahe West Road, Xili, Nanshan, 518055 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA

Tel: +86 755 26953369

E-mail: info@medcaptain.com

Fax: +86 755 26001651

Website: www.medcaptain.com

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