

Product name	Syringe pump		
Model	MP-30		
Power supply	AC power supply: AC 100-240V, 50/60 Hz, power consumption less than 45 VA External DC power supply: DC 12 V 1A Internal battery: lithium battery 11.1 V 1500 mAh Battery model: 154457 Time of continuous use: no less than 6 hours (for infusion at 5 mL/h with a new battery)		
Fuse	T1.6AL 250VAC		
Compatible syringes	All syringes of 5ml, 10ml, 20ml, 30ml, 50ml conform to the standard		
Infusion mode	Rate, Time, Bodyweight, Sequence, relay mode, Loading Dose, Trapezia, Micro, TIVA		
Total volume display	0-99999.99ml		
Accuracy	Mechanical accuracy: ±1% Accuracy including syringe: ±2%		
Infusion setting 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(50ml syringe) See the least increment in chart 6-3	VTBI setting range	0.1 - 99.99ml(Least increment 0.01) 100 - 999.9ml(Least increment 0.1) 1000 - 9999ml(Least increment 1)
Bolus operation	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 syringe) Automatically calculate the bolus rate by bolus amount, cannot be lower than the current rate.	Infusion setting range	100.0ml/h(5ml syringe) 300.0ml/h(10ml syringe) 600.0ml/h(20ml syringe) 900.0ml/h(30ml syringe) 2000.0ml/h(50ml syringe)
KVO rate	0.1~5ml/h		
Occlusion level	225mmHg~975mmHg, 11 levels are available		
Alarm	Near Finished, Finished, Syringe Empty, Near empty, OCCL, Low Battery, Battery Empty, No Battery, No Power Supply, Unknow Syringe, Syringe Install Error, Standby Time Expired, Relay Index Duplicate, Syringe Start Fail, Reminder Alarm		
Special function	Repeat alarming: If there is still alarm after mute alarm sound, it will alarm again in 2 minutes Event recording: can store and playback 2000 events maximum Sound volume: 11 levels are available Power supply switching: When AC/DC power supply is cut off, the infusion automatically switch to internal battery supply Barcode scanning: Input the patient information by barcode canning		
WIFI function	Connect infusion workstation, nurse pager, voice communication and syringe information network		
Operating conditions	Temperature: 5℃ to 40℃ Humidity: 15% to 95% RH Pressure altitude: 700hPa to 1060hPa		
Storage and Shipping conditions	Temperature: -20℃ to +55℃ Humidity: 10% to 93% RH Pressure altitude: 22.0kPa-107.4kPa		
Operation Mode	Continuous operation		
Classification	Class I, Type CF, IPX2		
Dimensions	244(W) × 74(H) × 164(D)mm		
Weight	About 1.8 kg (including battery)		
Main safety standards	IEC60601-1 Medical electrical equipment - Part 1: General requirements for basic safety and essential performance IEC60601-2-24 Medical electrical equipment - Part 2-24: Particular requirements for the safety of infusion pumps and controllers IEC60601-1-8 Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance -- Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems IEC60601-1-2 Medical electrical equipment - Part 1-2: General requirements for basic safety - Collateral standard: Electromagnetic compatibility requirements and tests		



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MP-30

SYRINGE PUMP

MEDCAPTAIN MEDICAL TECHNOLOGY CO., LTD.

MP-30

SYRINGE PUMP

Multiple operating modes. Automatic identifies syringe sets with different specifications. Multi-channel infusion/syringe pumps. With Infusion Workstation can operate in cascade connection infusion. Wi-Fi data transmission functions with Infusion Central Monitoring System (ICMS). Multiple Powers: AC power supply, DC power supply, and built-in battery.



Touch Button



Multi-channel



Night mode



User Defined



Barcode Scanning



Independent Alarm



Voice Communication



Features And Functions:

◆ Accurate Infusion

The MP-30 syringe pump adopts the lead mechanism processed using the special computerized numerical control system and the integrated nut. The increase in part processing costs brings more accurate and firmer mechanical cooperation. The improved precise drive assembly and the upgraded infusion control algorithm embedded with the modular circuit makes infusion more stable and accurate.

◆ Reliable and safe

In compliance with European standards and FDA Guidance for Industry and FDA Staff, the MP-30 syringe pump integrates strict risk management control. The acousto-optic alarm design complies with electrical medical device standards and supports separate audible alarms. With this design, alarms can be generated in time even if the circuit malfunctions, which enables the patients and medical staff to use the MP-30 syringe pumps without any worry.

◆ Easy- to-use

With the popular touchscreen, beautiful display interface, humanistic color, magnified number display, and simple function menu, the MP-30 syringe pump makes infusion simpler and more convenient.

◆ Multi-channel Combination

The MP-30 syringe pump adopts the modular structure. It can be used separately, combined into multi-channel infusion pumps and multi-channel infusion/syringe mixing pumps by means of building blocks, or inserted into a composite box for cascaded infusion. In this way, infusion and syringe pumps are really configured based on demands in clinical applications, thereby maximizing the utilization rate of devices of medical institutions.

◆ Wi-Fi networking

the MP-30 syringe pump is equipped with a built-in Wi-Fi module. The Wi-Fi module is connected to the venoclysis ICMS to monitor the infusion status of patients in infusion rooms and wards in real time to discover infusion problems in time, which reduces the workload of medical staff and ensures safe and reliable infusion. The infusion pump with a built-in Wi-Fi module can easily connect to the clinical information system (CIS) of the hospital.

◆ Automatic maintenance reminder

The infusion pump needs to be maintained periodically. The automatic maintenance reminder function can ensure timely maintenance, thereby saving resources for medical institutions.

◆ Night mode

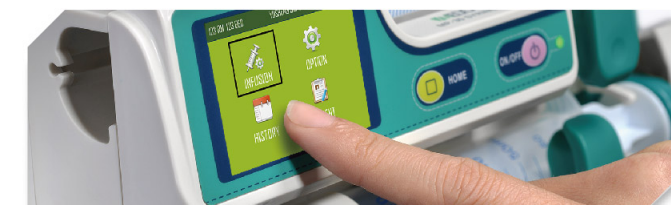
The bright display of the traditional infusion pump causes light interference to patients and medical staff at night and even affects the rest and treatment of patients. In night mode, The MP-30 syringe pump can automatically decrease the brightness of the display and the alarm sound, thereby reducing acousto-optic interference without affecting the normal operation.

◆ Barcode scanning

For standardized clinical treatment, patient information needs to be accurately entered on medical devices. The complex and error-prone traditional information entering mode decreases the working efficiency of medical staff and aggravates the burden. The barcode scanning function makes it simple and easy to enter patient information.

◆ Anti-Bolus

The pressure is automatically lowered when the occlusion alarm, thereby reducing overdose infusion.



◆ Voice communication

The voice communication function realizes the real-time communication between patients and medical staff, thereby handling infusion problems in time. In addition, the infusion pump with the built-in voice communication function can make up the traditional nurse call system and enable extra bed patients to enjoy kindnesses from medical staff.

◆ Multiple infusion modes

Flow Rate mode, Time mode, Body Weight mode, Multi-Rate mode and Cascaded mode.

◆ Dual-CPU design

Operation display and stepper motor control are implemented by two CPUs, thereby ensuring real-time control and data reliability.

◆ High values

The product has multiple patents for invention, presenting higher values.

