A great step in innovation

HP-30 Syringe Pump

Safety

Smart pump, safe therapy

ISO 26825 Standardization

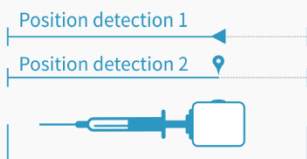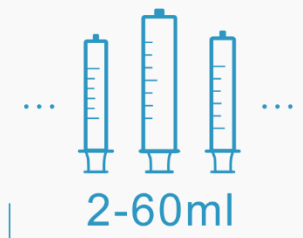**Professional solution guided by standard**

Customization

The pump specially for your department

Built-in
DoseControl

- Built-in DoseControl function, a professional drug library solution
- Medical grade touchscreen, user friendly
- 9 infusion modes including PCA
- Connectable with HIS/CIS via either WIFI or LAN

Position detection 1
Position detection 2

Syringe position detection system.

2-60ml

Full range syringe compatibility

Manual
Auto

Auto/Manual installation system

Dimension	258 x 75 x 152mm （WxHxD）
Weight	< 1.7kg (including battery)
Classification	Defibrillation proof type CF, IP33
Compatible syringe	Various brands of 2ml, 3ml, 5ml, 10ml, 20/30ml, 50/60ml syringes compliant with ISO 7886-1 and ISO7886-2
Screen	3.0 inch LCD touchscreen, brightness 10 levels adjustable
Standard accessories	Power cord, Handle, Pole clamp
Optional accessories	PCA kit, Nurse caller, Barcode scanner

Basic Parameter

Infusion mode	Rate Mode, Time Mode, Weight Mode, Sequence Mode, Trapezia Mode, Micro Mode, LoadingDose Mode, TIVA Mode, and PCA Mode (optional)
PCA modes of Delivery	P mode, CP mode, LCP mode and PIEB mode
Infusion rate range	0.1-60.0 ml/h (2ml syringe) 0.1-90.0ml/h (3ml syringe) 0.1-150.0ml/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)
Minimum increment of infusion rate	0.1-99.99ml/h (minimun increment 0.01ml/h) 100-999.9ml/h (minimun increment 0.1ml/h) 1000-2000ml/h (minimun increment 1ml/h)
VTBI range	0.10~9999.99ml (minimum increment: 0.01ml)
Preset time	00:00:01~99:59:59 (minimum increment: 1s)
Total volume display	0~9999.99ml (minimum increment: 0.01ml)
Accuracy	Infusion accuracy≤ ± 2% Mechanical accuracy ≤ ± 0.5%
KVO rate	0.10~5.00ml/h (minimum increment: 0.01ml/h) Adaptive KVO available, can adjust KVO rate according to the infusion rate
Bolus & Purge rate	0.1-60.0 ml/h (2ml syringe) 0.1-90.0ml/h (3ml syringe) 0.1-150.0ml/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)
Bolus VTBI	0.1-2.0 ml/h (2ml syringe) 0.1-3.0ml/h (3ml syringe) 0.1-5.0ml/h (5ml syringe) 0.1-10.0ml/h (10ml syringe) 0.1-20.0ml/h (20ml syringe) 0.1-30.0ml/h(30ml syringe) 0.1-50.0ml/h(50/60ml syringe) Minimum increment for all: 0.01ml
3 bolus ways selectable	Automatic/Manual/Semi-Auto bolus
Occlusion level	Patient side occlusion: 150~975mmHg 12 levels are available for selection

Alarm

Visual & acoustic alarm	Infusion End, BAT Empty, Patient Side OCCL, Infusion End KVO Start, KVO End, Relay Failed, Syringe Empty, Holder Error, Drive Head ERR, Standby End, Infusion Near End, No Battery, No AC Power, BAT Low, Reminder Alarm, Syringe Near Empty, PCA 1h overrun, and PCA 4h overrun, Pre OCCL, Tube Off, Drive Head Position ERR

Special function

Recent therapy	20 recent therapies are recorded and can be used for rapid infusion
Rate change in infusion	Infusion rate can be changed anytime during infusion, no need to stop the infusion
Relay function	Continuous infusion among multiple pumps, guarantee non-stop therapies for sensitive drugs. Support single drug relay and multi drug relay
Drug library DoseControl mode	Built-in drug library with Dose error reduction system Support maximum 30 profiles (clinical care area) and 5000 drugs Maximum 1000 drugs in every profile (clinical care area) Programmable drug library information and pump configuration
Screen lock	Both Manual screen lock and Auto screen lock are available
Anti-Bolus	Anti-Bolus function available, unintended bolus ≤0.2ml
Repeat alarming	Alarm sounds again in 2 minutes if there is still alarm after alarm is muted
Event recording	Maximum 3000 events can be stored for review
Sound Volume	12 levels selectable
Power supply switching	When AC/DC power supply is cut off, the infusion automatically switch to internal battery supply
Syringe installation	Manual Installation; Auto Installation; Auto-Manual Installation

Power supply

AC power	100 -240 V, 50/60 Hz, power consumption 45 VA
External DC power	DC 12 V, 2.5 A
Internal battery	Lithium battery 10.8 V, 3000mAh
Battery duration	10 hours @5ml/h with a new battery
Charging time	No longer than 4 hours (the pump is powered off during the charge)

Connectivity

WiFi / Wired	To connect central infusion monitoring system, nurse caller
Barcode scanning	Patient information input by barcode scanner
Data interface	Supported, USB 2.0, USB 3.0, RJ45, Wi-Fi
Protocol	HL7

Mounting

Inside docking station	Supported
Between pumps	Stackable between any HP series syringe / infusion pumps produced by Medcaptain
Handle	Available
Pole clamp direction	Can be mounted at different directions, 90º/180º/270º/360º

Safe requirement

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

HP-80
Infusion Workstation

Built-in

DoseControl
RelayControl

Specifications

Name	Infusion workstation
Model	HP-80
Power supply	AC Power supply: 100-240V, 50/60 Hz Power input: 200VA per unit
Cabinet body quantity	1 to 3
Syringe/infusion pump combination channels	1 to 12
Barcode scan	When patient information is input by barcode scanner
Optional accessories	PCA controller, Nurse caller, Barcode scanner
Operating conditions	Temperature: -20°C to +50°C Humidity:10% to 93% RH, non-condensing Pressure altitude: 22.0 kPa – 107.4 kPa
Storage conditions	Temperature: -20°C to +50°C Humidity:10% to 93% RH, non-condensing Pressure altitude: 22.0 kPa – 107.4 kPa
Classification	IP23
Dimensions	273(L)*172(W)*397(H)mm
Weight	About 2.9 kg

DISTRIBUTOR:

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