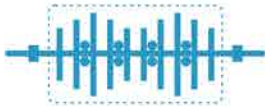


Great accuracy to the last drop

HSP-60 Infusion Pump



- Medical grade touchscreen, user-friendly.
- High sensitive pressure sensor for a real-time pressure display.
- Anti-bolus volume less than 0.2ml.
- Connectable with any HIS/CIS via either WIFI or LAN.



Self-adapting peristaltic System

1STEP

One step IV set installation

0.2ml
Anti-bolus

Anti-bolus system

Specifications

Dimension:	214 x 75 x 142 mm (WxHxD)
Weight:	1.4kg including battery
Screen:	3.0 inch LCD touch screen, brightness 10 level adjustable, 7 colors selectable
Classification:	Type CF, Class I, IP23
Compatible syringe set	All disposable IV sets conform to the standard, type: 20d/ml, 60d/ml.

Basic parameter

Infusion mode:	Rate, Time, Wight, Sequence, Trapezia, Loading dose, Drop mode, Relay mode, Micro, Cycle relay mode
Infusion rate range:	0.10 - 2000.0ml/h (20d/ml IV set) 0.10 - 400.0ml/h (60d/ml IV set)
Increment:	0.10 - 99.99ml/h, step size:0.01ml/h 100 - 999.9ml/h, step size:0.1ml/h 1000 - 2000ml/h, step size:1ml/h
VTBI range:	0.1-9999ml
Preset time:	00:00:01-99:59:59 (increments 1s)
Accumulated volume:	0.0-99999.99ml
Accuracy:	≤ ±3% (with Medcaptain silicon IV set) ≤ ±5% (with other brands IV set)
KVO rate:	0.1-5ml/h adjustable, step by 0.01ml/h

Bolus rate:	0.10 - 2000.0ml/h(20d/ml Medcaptain silicon IV set) 0.10 - 400.0ml/h (60d/ml IV set) Bolus VTBI: 0.10 - 50ml (minimum increment: 0.01ml)
3 bolus ways selectable:	Automatic/Manual/Rapid quantitative Bolus
Purge rate:	2000.0ml/h(20d/ml Medcaptain silicon IV set) 400.0ml/h(60d/ml IV set)
Occlusion level:	Downstream occlusion: 75 - 975mmHg, 12 occlusion levels available (default: level 6) Upstream occlusion: Support upstream occlusion detection

Special Function

Recent therapy:	20 recent therapies are recorded and can be used for rapid infusion
Rate change during infusion:	Infusion rate can be changed anytime during infusion, not necessary to stop infusion before change
Relay function:	Continuous infusion among any pump within docking station at any mode to guarantee non-stop therapies for sensitive drugs
Auto screen lock:	"OFF" and "ON". 15s, 30s, 1min, 2min, 5min, 10min, 30min selectable when "ON". "OFF" by default
Drug library:	More than 1500 drugs available with soft and hard limit editable (DERS), up to 5000 drugs can be built in
Repeat alarming:	Alarm sounds again in 2 minutes, if there is still alarm after alarm is mute
Event recording:	Maximum 2000 events can be stored and play back
Sound volume:	5 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, 50/60 Hz, power consumption 45VA
External DC power:	DC 12 V, 1A
Internal battery:	Lithium battery 11.34V 2900mAh
Battery duration:	10 hours @5ml/h with a new battery
Charging time:	Min 6 hours when power off

Alarm

Visual and acoustic alarm:	Infusion end; BAT empty; Patient side OCCL; Infusion end KVO start; KVO end; Relay failed; Fluid Side OCCL; Air bubble; Too Many Drops; Too Few Drops; Drop Chamber Overflow; System Error; Standby end; No Drop Sensor; Infusion near end; No battery; No AC power; BAT low; Reminder alarm; Infusion near empty.
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Connectivity

WiFi/Wired:	To connect central infusion monitoring system, nurse pager, voice communication and infusion pump information network
Barcode scanning:	Patient information input by barcode scanning
Data interface:	Supported, USB, RJ45

Mounting

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

Safety requirement

Operating conditions:	Temperature: 5°C to 40°C Humidity: 15% to 95% RH Pressure altitude: 57.0kPa-106.0kPa
Storage conditions:	Temperature: -20°C to +55°C Humidity: 10% to 93% RH Pressure altitude: 22.0kPa-107.4kPa



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