



ESP-400

Modular single-channel syringe pump



INFUSION LINE



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ESP-400



Modular single-channel syringe pump

- KVO, Bolus and Anti-bolus.
- Drug library
- History records
- Double CPU ensuring safe infusion
- 3 adjustable occlusion levels, dynamically display the pressure
- Panel Lock
- Adjustable buzzer volume (3 levels)
- Automatic syringe size-recognition
- Night mode ensure good rest of patients
- 90° rotation pole clamp convenient for horizontal bar, vertical IV Pole & platform use RS232



Cod. ESP-400

Also stackable with the double channel model **ESP-500**

Technical Features

Applicable syringes	5ml, 10ml, 20ml, 30ml, 50ml, 60ml
Injection rate	5ml: 0.1 ~ 150ml/h 10ml: 0.1 ~ 300ml/h 20ml: 0.1 ~ 600ml/h 30ml: 0.1 ~ 900ml/h 50ml: 0.1 ~ 1500ml/h
Bolus rate	5ml: 0.1 ~ 150ml/h (default 150ml) 10ml: 0.1 ~ 300ml/h (default 300ml) 20ml: 0.1 ~ 600ml/h (default 600ml) 30ml: 0.1 ~ 900ml/h (default 900ml) 50ml: 0.1 ~ 1500ml/h (default 1500ml)
Bolus volume	Accumulate bolus volume display
Purge rate	5ml : 150ml 10ml: 300ml 20ml: 600ml 30ml: 900ml 50ml: 1500ml
Volume to be infused (VTBI)	0.1ml ~ 1000ml
Injection increment	0.1 ml
Accuracy	± 2% (mechanical ± 1%)
KVO rate	0.1 - 2 ml/h adjustable; default value 0.1ml/h
Infusion mode	Intermittent infusion mode, body weight mode, Time mode, Rate mode, Drug library mode
Time mode	Volume limit: 0.1 ~ 999.9ml Pre-set Time: 1min to 99h 99min Remaining time: **h **min
Body weight mode	Drug limit: 0.1~999.9mg, Solution limit: 0.1~999.9ml, Weight: 0.1~300.0kg, Dose: 0.1~9999.9 mg/kg/h, ug/kg/min
Displayed information	Flow rate, volume limit, volume infused, syringe size, pressure value, battery level unit of dosage, AC power indicator, battery charge indicator, bolus rate etc...
Occlusion pressure detection	3 adjustable occlusion pressure settings: low, medium and high

Alarm function	Infusion completion, near completion, Empty, Occlusion, start Reminder, Low battery, Syringe disengaged, incorrect installation of syringe plunger, No AC power supply, low battery, battery exhausted, malfunction etc...
History record	1600 records
Battery	Rechargeable lithium polymer battery, 7.4V, 2100mAh Can operate for more than 3h after fully charged at 25ml/h.
Battery recharge time	10h with power on, 3h with power off
Power consumption	25VA
Classification	Class I, type CF
Waterproof Level	IP×3
Dimensions	30x12.9x13cm (WxDxH)
Weight	≤ 2 kg
Operating conditions	Temperature: 5°C ~ 40°C, relative humidity: 10~95%, Atmosphere pressure: 86 ~ 106kPa
Transport conditions	Temperature -20°C ~ 60°C, relative humidity: 10~95%, Atmosphere pressure: 50 ~ 106kPa
Storage conditions	Temperature -20°C ~ 45°C, relative humidity: 10~95%, Atmosphere pressure: 50 ~ 106kPa



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