



# ESP-300

Modular single-channel  
syringe pump



INFUSION LINE



# ESP-300

## Modular single-channel syringe pump

- KVO, Bolus and Anti-bolus.
- Body weight mode, Time mode, Rate mode
- History records
- Panel Lock
- Adjustable buzzer volume (3 levels)
- Automatic syringe size-recognition
- Night mode ensure good rest of patients
- Nurse call interface
- 90° rotation pole clamp convenient for horizontal bar, vertical IV Pole & platform use RS232



**Cod. ESP-300**

Also stackable with the double channel model **ESP-2140**

### Technical Features

<b>Applicable syringes</b>	5ml, 10ml, 20ml, 30ml, 50ml, 60ml
<b>Injection rate</b>	5ml: 0,1 ml/h -150ml/h 10ml: 0,1 ml/h -300ml/h 20ml: 0,1 ml/h -600ml/h 30ml: 0,1 ml/h -900ml/h 50ml: 0,1 ml/h -1500ml/h
<b>Bolus rate</b>	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)
<b>Bolus volume</b>	Accumulate bolus volume display
<b>Purge rate</b>	5ml: 150ml 10ml: 300ml 20ml: 600ml 30ml: 900ml 50ml: 1500ml
<b>Volume to be infused (VTBI)</b>	0,1ml~ 1 000ml
<b>Injection increment</b>	0,1 ml
<b>Accuracy</b>	± 2% (mechanical ± 1% )
<b>Infusion mode</b>	Body weight mode, Time mode, Rate mode
<b>Time mode</b>	Volume limit: 0,1~999,9ml Pre-set Time: 1min to 99h99min Remaining time: **h **min
<b>Body weight mode</b>	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
<b>Displayed information</b>	Flow rate, volume limit, volume infused, syringe size, pressure value, battery capacity, unit of dosage, AC power indicator, battery charge indicator, bolus rate etc,
<b>KVO rate</b>	0,1 - 2 ml/h adjustable; default value 0,1ml/h

<b>Occlusion pressure detection</b>	3 adjustable occlusion pressure settings: low, middle and high
<b>History record</b>	1600 records
<b>Alarm function</b>	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,
<b>Battery</b>	Rechargeable lithium polymer battery, 7,4V,2100mAh that can operate for more than 3 hours after fully charged at 25ml/h,
<b>Battery recharge time</b>	10h with power on, 3h with power off
<b>Power consumption</b>	25VA
<b>Classification</b>	Class I, type CF
<b>Waterproof Level</b>	IP×3
<b>Dimensions</b>	30 × 12,9 × 13cm(LxWxH)
<b>Weight</b>	≤ 2 kg
<b>Operating conditions</b>	Temperature: 5°C ~ 40°C, relative humidity: 10~95%, Atmosphere pressure: 86~106kPa
<b>Transport conditions</b>	Temperature -20°C ~ 60°C, relative humidity 10~95%, Atmosphere pressure 50 ~ 106kPa
<b>Storage conditions</b>	Temperature -20°C ~ 45°C, relative humidity 10~95%, Atmosphere pressure 50~106kPa



ESSE3 srl, Via Garibaldi 30  
14022 Castelnuovo D.B. (AT)  
Tel +39 011 99 27 706  
Fax +39 011 99 27 506  
e-mail [esse3@chierinet.it](mailto:esse3@chierinet.it)  
web: [www.esse3-medical.com](http://www.esse3-medical.com)

