



# ESP-2307

## Modular Infusion Pump



INFUSION LINE



**Cod. ESP-2307** - Standard model

**Cod. ESP-2307D** - Model with drug library

**Feature & Functions**

The compact and light weight design saves space and is beneficial during patient transfer. Large & colorful LCD display.

**Added safety**

Free flow protection. The built-in flow stop feature helps reduce the risk of accidental free flow when pump is open.

**Anti-bolus function**

Diminishes the volume of unwanted Bolus injected to the patient after removal of the occlusion cause. Anti-reverse rotation detection.

**Panel Lock**

The panel lock feature helps prevent unauthorized changes of any instrument setting. 2000 history records , Real time display, RS232 interface 90° rotation pole clamp convenient for horizontal bar, vertical IV pole & platform use

**User-friendly operation**

Load directly the last infusion rate and volume limit. Adjustable buzzer volume. Top indicator light reflects the operation status as well as alarm. Night mode to ensure good rest of patients. Removable pump for easy cleaning.



**Technical Features**

Flow rate range	0.1~1200 ml/h Micro mode: 1.1 - 99.9 ml/h in 0.1 ml incr.
Infusion mode	Rate mode, drip mode, time mode, body weight mode
Volume infused (VTBI)	0 ~ 9999ml
Volume infusion (Σ)	0 ~ 36000ml
Infusion accuracy	± 5%
Applicable infusion set	Brand infusion set
KVO rate	1 ~ 5 ml/h
Bolus rate	300 ~ 1200 ml/h
Purge	600 ml/h
Drug Library	Just for the cod. ESP-2307D
Functions	- Anti-bolus diminishes the unwanted volume of Bolus to the patient - Prevent abnormal shutdown - Ultrasound sensor detection with four levels of air in line alarm adjustable - Intelligent pressure detection alarm - Double CPU, Anti-reverse detection - Screen simultaneously display the infusion rate, drip rate, VTBI, Volume infused, real time etc
Air bubble detection	Ultrasound sensor detection with four levels of air in line alarm adjustable
Occlusion pressure	3 adjustable occlusion pressure setting: low, middle and high
Alarms	Visual and audible alarms: door open, air in line, occlusion, infusion completion, infusion near over, start remind function, low battery depleted, malfunction etc.
Computer interface	RS232 ( optional)
History records	2000 history records
Power supply	AC : 100-240V, 50/60Hz DC:12V±1V
Battery	Rechargeable lithium polymer battery, 7.4V, 1900mAh Can operate for more than 3 hours 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	IPX3
Mode of operation	Continuous
Dimensions	145 x 100 x 120 mm (LxWxH)
Weight	≤ 1.4 kg
Operating conditions	Temperature: 5° ~ 40°C, Relative humidity: 10 ~ 95%, Atmosph. pressure: 86 ~ 106kPa
Transport conditions	Temperature: -20° ~ 60°C, relative humidity: 10 ~ 95%, Atmosph. pressure: 50 ~ 106kPa
Storage condition	Temperature: -20° ~ 45°C, Relative humidity: 10 ~ 95%, Atmosph. pressure: 50 ~ 106kPa



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