ESP-2307
Modular Infusion Pump

INFUSION LINE

Pulse Healthcare Technology
House: 11/1, Shahid Minar Road
Kallyanpur, Dhaka-1216, Bangladesh.
Mobile: +8801708008061
e-mail: info@pht.com.bd
web: www.pht.com.bd

ESP-2307

Modular Infusion Pump

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 patent 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.	**Alarms**	Visual and audible alarms: door open, air in line, occlusion, infusion completion, infusion near over, start remind function, low battery depleted, malfunction etc.
Infusion mode	Rate mode, drip mode, time mode, body weight mode	**Computer interface**	RS232 (optional)
Volume infused (VTBI)	0 ~ 9999ml	**History records**	2000 history records
Volume infusion (Σ)	0 ~ 36000ml	**Power supply**	AC : 100-240V, 50/60Hz DC:12V±1V
Infusion accuracy	± 5%	**Battery**	Rechargeable lithium polymer battery, 7.4V, 1900mAh Can operate for more than 3 hours after fully charged at 25ml/h.
Applicable infusion set	Brand infusion set		
KVO rate	1 ~ 5 ml/h		
Bolus rate	300 ~ 1200 ml/h	**Battery recharge time**	10h with power on, 3h with power off.
Purge	600 ml/h	**Power consumption**	25VA
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	**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
Air bubble detection	Ultrasound sensor detection with four levels of air in line alarm adjustable	**Storage condition**	Temperature: -20° ~ 45°C, relative humidity: 10 ~ 95% Atmosph. pressure: 50 ~ 106kPa
Occlusion pressure	3 adjustable occlusion pressure setting: low, middle and high		

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