

®

You are looking at...

What you are looking for!

Plenumtek



Volux

Volumetric Infusion System

- | Light Weight
- | Ergonomic & Leak Proof design
- | LCD Display
- | Capacitive Touch Screen Key Pad
- | Stackability
- | Vertical / Horizontal Mounting

Plenumtek®



Volux is a digital and self-regulated volume controlled portable volumetric infusion pump suitable for all intravenous and intra-arterial infusion

PRODUCT SPECIFICATION

Product Type	Volumetric Infusion Pump
Pumping Mechanism	Liner Peristaltic Pumping System
Dimension	130mm (W) x 183mm (L) x 115mm (H)
Weight	2.2 Kgs
Display Size & Type	66mm x 33mm Graphic LCD Monochrome
Parameters Displayed	Occlusion Level, IV Set Brand, Drug Name, Set Flow Rate, Infused Volume, Battery Life, Alarms & Indicators
Keypad	Capacitive Touch Screen Keypad
Fixation	Allows both Horizontal & Vertical Mounting
Stackability	For interlocking of two or more units
Power Source	110/220 VCA (+/- 20%), 50/60 Hz, 12 VA
Battery	7.2 Rechargeable NiMh Capacity minimum 3.5 hrs @ 25 ml/hr * Recharging time 16 hrs
Battery Status	Display in Bars OR hrs. and min.
Power Saver	Auto back light off to save battery
Operating Temp.	05 to 40 °C
Relative Humidity	15 to 90% (no condensation)
Atmospheric Pressure	70 to 106 Kpa

BASIC INFUSION CONTROLS

IV Line Brands	BBRaun, JMS, Romson, Polymed (Provision to calibrate 13 more brands)
Flow Rate	0.1 to 1200 ml/hr (increment in step of 0.1 ml/hr) Facility for Online Titration
Purge	Upto 1200 ml/hr
Priming	3Modes: Mandatory/ Non Mandatory/ Advised Rate : Upto 1200 ml/hr
Bolus Type	Auto & Manual
Bolus Rate	Upto 1200 ml/hr
Bolus Volume	0.1ml to 10ml
Bolus Indicator	Beep after infusion of every 0.5/1 ml bolus volume
Infusion Modes *	1] Rate ml/hr (0.1ml/hr incr.) 2] Volume Limit 0.1-6500.0 ml (0.1ml incr.) 3] Volume/Time 0.1-6500.0 ml; 00h01-100h00 4] Dose Rate # Dose Unit :mcg/min, mcg/hr, mcg/kg/min mg/kg/hr mg/min, mg/hr mg/kr/min, mg/kg/hr #Dilution :X mg/ml or X mg / Y ml
Stand by	Programmable from 1 min. to 24 hrs.
Drug Labelling	64 drug name with provision for user add/delete
KVO/KOR *	Settable from 0.1 to 5 ml/hr Provision to keep it Off.
Overall Accuracy	+/- 5% (Measured time.1Hr, min 0.2 ml) (Measured as per IEC 60601-2-24)

PRESSURE MANAGEMENT

Pressure Modes	3 Pre-set Levels
Pressure Limits	Low 0.4 kg/cm ² (300 mmHg) Mid 0.8 kg/cm ² (600 mmHg) High 1.2 kg/cm ² (900 mmHg)
Pressure Monitoring	Graphic representation of the pressure limit

SECURITY FEATURES

Free-Flow Protection	All integrated sets are clamped automatically by a safety clip to avoid risk of free-flow when the door is opened or the set is disengaged
Air Bubble Detection	Ultrasonic Air Bubble Detector to detect air in line Bubble Size 50µl Accumulated Bubble Size 50 - 100 µl
Keypad Locking	Restricts accidental change of the infusion parameters



LCD Display with Capacitive Touch Screen Key pad



Vertical & Horizontal Mounting Clamp



Stackability

PRE ALARMS/ ALARMS

Alarms	Expressed by means of flashing message on the display and sound beep
Set Installation	Door Open, Occlusivity Check
Device Control	No Mains, Battery Pre-alarm & Alarm, Idle, Technical Malfunction, Unconfirmed Programming, Preventive Maintenance
Infusion control	Occlusion Upstream & Downstream, Infusion End Pre-alarm & Alarm, KVO/KOR, Container Empty
Keypad Locking	Restricts accidental change of the infusion parameters

STANDARD ACCESSORIES

Unit with pole clamp, power cord & operating manual

* OPTIONAL / UPGRADABLE FEATURE

Power Source	External power 12 VDC converter (For ambulatory power supply)
Battery Life	Upgradable to 5 hr @ 25 ml/hr
Stackability	Multiple input AC cord to power upto 8 pumps
Communication Port	Rs232 port
Data Log Event	500 data log events in real time Expandable upto 1500 nos.
Other	Nurse call attachment

QUALITY STANDARD

Quality Management	ISO 9001: 2008 & ISO 13485: 2003
Moisture Protection	IP24 as per IEC 60529 (Splash Proof)
Electrical Safety	Class II, Type CF
Conformity Standards	IEC 60601-1 & IEC 60601-2-24

Technical up-gradation is a continuous process. Specifications and availability of the products mentioned in the leaflet are subjected to change without prior notice. All of the accessories and modules mentioned in the leaflet are optional and are not a part of standard scope of supply, unless and other wise mentioned

Manufactured By:



www.plenumtech.com

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Represented By:

