You are looking at...

What you are looking for !

Plenumtek ®

MID   JMS
DOPAMINE
00   **100.0** ml/hr
VI/VT   7.2 / 50.0 ml
PAUSE OCC RATE VOL

PT-Volux™

PUSH

PUSH

Plenumtek®

Volumetric Infusion Pump

PT-Volux®

| Light Weight
| Ergonomic & Leak Proof design
| LCD Display

| Low Power Consumption
| Stackability
| Vertical / Horizontal Mounting

Plenumtek ®

PRODUCT SPECIFICATION

Product Type	Volumetric Infusion Pump
Pumping Mechanism	Liner Peristaltic Pumping System
Dimension	200 mm (W) x 205 mm (L) x 175 mm (H)
Weight	2.3 Kgs
Display Size & Type	72 mm x 41 mm Graphic LCD Monochrome
Parameters Displayed	Occlusion Level, IV Set Brand, Drug Name, Set Flow Rate, Infused Volume, Parameters as per selected mode, Battery Life, Alarms & Indicators
Keypad	Tactile Key Dome
Stackability	For interlocking of two or more units
Power Consumption	< 7 Watt
Power Source	230 VAC +/- 10%, 50 Hz, 20 VA
Battery	7.2 VDC Rechargeable NiMh *Capacity up to 08 hrs @ 25 ml/hr available
Battery Recharging Time	Pump OFF:<10 Pump ON :<14
Battery Status	Display in Bars OR hrs. and min.
Power Saver	Auto adjust display brightness to save battery
Fixation	Allows Horizontal & Vertical Mounting
Stackability	For interlocking of two or more units
Communication	RS232 port
Data Log Event	2000 data log events in real time
Operating Temp.	05 to 40 ℃
Relative Humidity	15 to 90% (no condensation)
Atmospheric Pressure	71 to 106 Kpa

BASIC INFUSION CONTROLS

IV Line Brands	BBRaun, JMS, Romson, Polymed (Total - 20 brands. Provision to add 16 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	3 Modes: Mandatory/ Non Mandatory/ Advised Rate : Upto 1200 ml/hr
Bolus Type	Auto & Manual
Bolus Rate	Upto 1200 ml/hr, settable
Bolus Volume	0.1ml to 99.9 ml
Bolus Indicator	Beep after infusion of every 0.5/1 ml bolus volume

Infusion Modes

1. Rate mode in ml/hr (0.1ml/hr increment)
2. Volume Time Mode 0.1-999.9 ml; 00h10-100h00
3. Volume Target Mode 0.1-999.9 ml (01ml increment)
4. Body Weight Mode

- Drug Mass: 0.1 to 999.9 mg, 0.1mg increment
- Dose: From 0.01 to 999.99 mg/kg/min, 0.01 increment or From 0.01 to 999.99 mg/kg/h, 0.01 increment
- Dose units: mcg/min, mcg/hr, mcg/kg/min,mcg/kg/hr,mg/min,mg/hr, mg/kg/min,mg/kg/hr
- Patient weight: From 0.6 to 300 Kg, 0.1 increment
- Solution Volume: Considered as dilution volume in which drug will get diluted. From 5 to 999.9 ml. Increment in step of 0.1 ml

Drip Mode:

Rate mode: Up to 450 drops/min
Volume - Rate mode: Volume up to 9999 ml, Rate up to 450 Drops/Min
Volume - Time mode: Mode: Up to 100:00 (Hr:Mn), Volume up to 9999 ml.
(Above limits may vary according to the selected IV set.)

Stand by	Programmable form 1 min. to 24 hrs.
Drug Labelling	Up to 2000 Drugs.Factory Pre-Set: 42 Drugs. Provision to add 1958 drugs
Data Log Event	2000 data log events in real time
KVO/KOR *	Settable from 0.1 to 5 ml/hrProvision to keep it Off.
Overall Accuracy	+/- 5% (Measured as per IEC 60601-2-24)

PRESSURE MANAGEMENT

Pressure Modes	Variable / 3 Pre-set Levels / 20 Pre-set Levels From 100 to 900 mmHg, 50 mmHg increment
Pressure Limits	Low 0.4 kg/cm² (300 mmHg) Mid 0.8 kg/cm² (600 mmHg) High 1.2 kg/cm² (900 mmHg)
Tolerance	+/- 20%
Pressure Monitoring	Graphic representation of the pressure limits
Anti-bolus System	Reduces significantly bolus after occlusion release

PRE ALARMS/ ALARMS/ SECURITY FEATURES

Alarms	All the alarms are expressed by means of flashing message/symbol on the display with distinguish sound.
Alarm Volume	Settable Up to 70 Levels
Device Control	No Mains, No Battery, Battery Pre-alarm & Alarm, Idle, Technical Malfunction, Error 02 Unconfirmed Programming, Preventive Maintenance
Infusion control	Upstream & Downstream Occlusion, Air in Line, Infusion End Pre-alarm & Alarm, KVO/KOR, Bottle empty, Free flow, Door open, Rate Abnormal
Keypad Locking	Restricts accidental change of the infusion parameters

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 - 1000 μl
Keypad Locking	Restricts accidental change of the infusion parameters

STANDARD ACCESSORIES

Unit with power cord & operating manual

QUALITY STANDARD

Quality Management	ISO 9001: 2015 & ISO 13485: 2016
Moisture Protection	IP24 as per IEC 60529 (Splash Proof)
Electrical Safety	Class II, Type CF Defibrillator Proof
Conformity Standards	60601-1, IEC 60601-1-2, IEC 60601-1-8 & IEC 60601-2-24

*Standard Battery life minimum 4 hrs @ 5 ml/hr.

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

Represented By:

Manufactured By:

plenum tech Pvt. Ltd.

www.plenumtech.com
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