

®

You are looking at...

What you are looking for!

Plenumtek



Crest

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

Plenumtek®



Crest is a digital and self-regulated volume controlled portable front loading syringe infusion pump suitable for all intravenous and intra-arterial infusion

PHYSICAL SPECIFICATION

Product Type	Front Loading Syringe Infusion pump
Pumping Mechanism	Lead screw mechanism
Dimension	130mm (W) x 183mm (L) x 115mm (H)
Weight	1.8 Kgs
Display Size & Type	135mm x 21mm EBTN LCD Display
Parameters Displayed	Syringe size, Syringe Brand, Set Flow Rate Infused Volume, Occlusion level, Battery life Alarms & Indicators
Keypad	Capacitive touch screen keypad
Fixation	Allows Horizontal and Vertical Mounting
Stackability	For interlocking of two or more units
Power Source	110/220 VCA (+/- 20%), 50/60 Hz, 12 VA
Battery	8.4 Rechargeable NiMh Capacity minimum 3hrs @ 5ml/hr * Recharging time 16 hrs
Operating Temp.	05° to 40 °C
Relative Humidity	15 to 90 % (no condensation)
Atmospheric Pressure	70 to 106 Kpa

BASIC INFUSION CONTROLS

Syringe Capacity	5, 10, 20, 30, 50/60 and 100 CC Auto Detection
Syringe Brands	Dispovan, BBraun Perfusor, BD Precise, Plastipak Romson & Sisco (Provision add 12 more brands)
Flow Rate	0.1 to 1200 ml/hr (increment in step of 0.1ml/hr) Facility for Online titration
Purge	Upto 1200 ml/hr
Bolus Rate	Upto 1200 ml/hr
Bolus Volume	Settable (pre-set)
KVO / KOR	1% of the set rate or minimum of 0.1 ml/hr
Mechanical Accuracy	+/- 1%
Overall Accuracy	+/- 2% (Measured Time > 1Hr, min 0.2 ml excluding syringe tolerances) (Measured as per IEC 60601-2-24)

PRESSURE MANAGEMENT

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)
Tolerance	+/- 20%
Anti-bolus System	Reduces significantly bolus after occlusion release (Measured as per IEC 60601-2-24)

PRE ALARMS/ ALARMS/ SECURITY FEATURES

Alarms	All the alarms are expressed by means of flashing message/symbol on the display and sound beep
Syringe Detection	Syringe Dislocated, Drive Disengaged, Patient Line Disconnection, Plunger Disengaged
Device Control	No Mains, Battery pre-alarm & Alarm, Idle Technical Malfunction
Infusion Control	Occlusion, Infusion End pre-alarm & Alarm KVO/KOR, Syringe Empty



EBTN LCD Display with Capacitive Touch Screen Key pad



Vertical & Horizontal Mounting Clamp



Stackability

STANDARD ACCESSORIES

Unit with pole clamp, power cord & operating manual

OPTIONAL FEATURE

Power Source	External power 12 VDC converter (For Ambulatory supply)
Battery Life	Upgradable to 5 hr / 10 hr @ 5 ml/hr
Stackability	Multiple inputs AC cord for upto 8 pumps
Communication	RS232 port
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

Represented By:



Manufactured By:



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