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What you are looking for!

Plenumtek



Crest

INDIA DESIGN MARK awarded in 2017

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

<b>Product Type</b>	Front Loading Syringe Infusion pump
<b>Pumping Mechanism</b>	Lead screw mechanism
<b>Dimension</b>	130mm (W) x 183mm (L) x 115mm (H)
<b>Weight</b>	1.8 Kgs
<b>Display Size &amp; Type</b>	135mm x 21mm EBTN LCD Display
<b>Parameters Displayed</b>	Syringe size, Syringe Brand, Set Flow Rate Infused Volume, Occlusion level, Battery life Alarms & Indicators
<b>Keypad</b>	Capacitive touch screen keypad
<b>Fixation</b>	Allows Horizontal and Vertical Mounting
<b>Stackability</b>	For interlocking of two or more units
<b>Power Source</b>	110/220 VCA (+/- 20%), 50/60 Hz, 12 VA
<b>Battery</b>	4.8 Rechargeable NiMh Capacity minimum 4hrs @ 5ml/hr * Recharging time 16 hrs
<b>Operating Temp.</b>	05° to 40 °C
<b>Relative Humidity</b>	15 to 90 % (no condensation)
<b>Atmospheric Pressure</b>	70 to 106 Kpa

### BASIC INFUSION CONTROLS

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

### PRESSURE MANAGEMENT

<b>Pressure Limits</b>	Low 0.4 kg/cm <sup>2</sup> (300 mmHg) Mid 0.8 kg/cm <sup>2</sup> (600 mmHg) High 1.2 kg/cm <sup>2</sup> (900 mmHg)
<b>Tolerance</b>	+/- 20%
<b>Anti-bolus System</b>	Reduces significantly bolus after occlusion release (Measured as per IEC 60601-2-24)

### PRE ALARMS/ ALARMS/ SECURITY FEATURES

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

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

### QUALITY STANDARD

<b>Quality Management</b>	ISO 9001: 2008 & ISO 13485: 2003
<b>Moisture Protection</b>	IP24 as per IEC 60529 (Splash Proof)
<b>Electrical Safety</b>	Class II, Type CF
<b>Conformity Standards</b>	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

An ISO 9001:2008 & ISO 13485:2003 Company  
CIN No.: U33100MH2000PTC123317

### Represented By:

**GMI**  
KANTI DREAMS YASWANT VIVA  
TOWNSHIP VASAI EAST.  
MOB.9867996963