You are looking at...

What you are looking for !

Plenumtek®

CE 2265

ZION PLUS

Syringe Micro Infusion System

With Body-Weight Mode

Plenumtek®

Plenumtek ®

Designed to meet the requirements of following international standards
Class IIB, Type BF as per IEC 60601-1& IEC 60601-2-24, IP24 as per IEC 60529 (Splash Proof)

INFUSION

FLOW RATE RANGE	Up to 2000 ml/hr in normal mode, depending on syringe capacity (0.1 ml/hr increment)
SYRINGE CAPACITY	05, 10, 20, 30/35, 50/60 ml
TYPE OF SYRINGE	Dispovan, BD Precise, Plastipak, BBraun Perfusor, Romoson (Capacity to store 20 brands)
PRIMING	3 modes: mandatory, not mandatory, or advised / Rate: Up to 2000 ml/h depending on syringe size
BOLUS	Bolus rate 1 to 2000 ml/hr (1 ml/hr Increment). Bolus volume: 0.1 ml to max capacity of syringe (0.1 ml increment)

INFUSION MODES	1] ml/h (0.1 ml/h increments)
	2] Volume limit: 0.1-999.9 ml (0.1 ml increments)
	3] Volume / time: 0.1-999.9 ml; 00h01- 100h00.
	4] Dose rate.
	  # Dose units: mcg, mcg/min, mcg/hr, mcg/kg/min, mcg/kg/hr,mg, mg/min, mg/hr, mg/kg/min, mg/kg/hr, U, kU
	  # Dilution setting: X mg/ml or X mg / Y ml.

DRUG LABELLING	Display of the available drug name from the drug library. User can add or delete drug names up to 64 nos.
DRUG LIBRARY (Optional)	In built 'PRUDENT' Drug library editor for setting normal infusion, bolus and loading dose parameters. Adjustment of the dilution, default infusion modes, flow rate and bolus limits in ml/h.
ACCURACY	Mechanical accuracy: ±1%, Overall Accuracy:±2%,(excluding syringe tolerances)
END OF INFUSION	(V/T & VL) KVO: from 0.1 to 5 ml/h adjustable and storable, continuous infusion or stop.
PAUSE	Programmable from 1 minute to 24 hours, increments from minute to minute.
DATA LOG EVENT	500 data log events in real time expandable up to 1500 nos.

PRESSURE MANAGEMENT

PRESSURE MODES	3 modes available: variable or 3 pre-set levels or 10 pre-set levels - from 100 to 900 mmHg, 50 mmHg increment LOW:- 0.4 kg/cm2 (300 mmHg), MID:-0.4 kg/cm2 (600 mmHg), HIGH:-0.4 kg/cm2 (900 mmHg), tolerance +/-20%
DPS	The Dynamic Pressure System - DPS - warns of pressure variations. A risk of obstruction or a possible leak in the infusion line can thus be anticipated.
PRESSURE MONITORING	Graphic representation of the pressure limit
ANTI-BOLUS SYSTEM	Reduces significantly bolus after occlusion release.

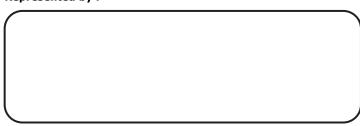## PRE-ALARMS/ ALARMS/ SECURITY

PUMP STATUS	Red for AC power status and Yellow for infusion in progress. Idle/ Non operative time over. Visibility up to 5 meters. All alarms are expressed by means of flashing messages on LCD, graphics and sound beep.
SYRINGE POSITION CONTROL	Syringe barrel knob check, Plunger head detection, Anti-siphon system check, Flange detection.
DEVICE CONTROL	Disengaged driving mechanism alarm, Low battery pre-alarm, Discharged battery alarm, battery capacity, display in hours and minutes, unconfirmed programming, Technical malfunction alarm, Drive system advance check, Watchdog check, Communication connection failure.
INFUSION CONTROL	Occlusion pressure pre-alarm, Occlusion pressure alarm, End of infusion pre-alarm, End of infusion alarm, Syringe empty, KVO, Volume limit pre-alarm, Volume limit alarm, Keypad locking, Hard and soft flow rate limits.
MAINTENANCE	Preventive maintenance warning..

TECHNICAL SPECIFICATIONS

DISPLAY	Graphic LCD monochrome, size 66 mm x 33 mm (128 x 64 pixels)
POWER SOURCE	110/220 VAC (+/-10%), 50/60Hz, 12 VA, external power 12 VDC by a converter.
BATTERY	8.4V Rechargeable Ni-Mh, Capacity minimum:10 hrs @ 5 ml/hr, Battery replacement: separate compartment – no need for electrical security testing.
OPERATING CONDITIONS	Temp: 05° to 40°C/ Humidity: 15 to 90 % (no condensation)/ Atmospheric Pressure: 70 to 106 kPa
DIMENSIONS	135 (H) x 272 (W) x 150 (D) mm / Weight: 2.3 Kgs./ Housing: ABS Plastic.
STACKABILITY (Optional)	Up to 3 devices self – stackable on a pole.
COMMUNICATION PORT	RS 232C
STANDARD ACCESSORIES	Unit with IV Pole Mounting Device, Operating Manual

Technical up-gradation is a continuous process. Specifications and availability of products mentioned in the leaflet are subject to changes 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 otherwise mentioned.

Represented by :

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An ISO 9001:2008 & ISO 13485:2003 Company

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