SYRINGE INFUSION PUMP

EMCO Infusor 960

NEW

FRONT LOADING

- **Automatic Syringe Size Sensor**
- **Two Modes available - Easy Mode & Normal Mode**
- **Body Weight programming available in Normal Mode**
- **Infusion Rate upto 1500 ml/hr**

- Intuitive & user friendly operations, Simple entry of parameters via numeric keypad
- Automatic syringe size detection
- Accepts syringe from 5 ml to 50/60 ml of all majors Indian Brands like Dispovan, Romsons as well as all imported brands (List can be customized in Set-up Menu)
- Programmable infusion & bolus rate up to 1500 ml/h (Max)
- Easy Pump Mode – Syringe pump can be programmed to start infusion within 3 steps (Select Syringe, Enter Rate, VTBI, Start)
- Titration allows change of infusion parameters without interruption of infusion
- Programmable infusion in Body Weight Modes (Normal Mode) (Options are : ml/hr, mg/hr, ug/hr, mg/kg/hr, ug/kg/hr, mg/kg/min, ug/kg/min)
- Programmable infusion in "volume over time" mode
- Set-up menu enables customization of the pump
- Anti-bolus & anti-siphon functions increase patient safety
- Drug library contains 100 frequently used drug names (List can be customized in Set-up Menu)
- Automatic and manual bolus modes (Audio reminder during bolus)
- Bolus Dose can be changed without interruption of infusion (Normal Mode)
- Last Configuration (Drug, Rate, VTBI, Bolus, Occlusion Level) is saved
- More than 8 hours battery backup @ 5ml/hr rate
- No Power, Check AC Mains Supply; Low Battery; Very Low Battery; Occlusion Alarm; X Min Pre Alarm; KOR (KVO); End of Infusion; Syringe is Empty; Internal Error; Wrong Insertion/No Syringe Inserted/Insert Syringe into Plunger/Please Close the Clamp (Syringe Loading Errors); Unsecured Barrel; Disengaged Plunger; 2 min Inactive Attention Alarm
- Standby Timer (upto 999 min)
- KOR Mode (Starts 2 min after STOP, Immediately after End of Infusion/Syringe Empty) (KOR Rate can be customized in Set-up Menu)
- Ideally suited for adults and neonates in general wards, critical/intensive care, operating/emergency rooms

EMCO MEDITEK® PVT. LTD.

At the heart of healthcare

An ISO9001:2008 & ISO13485:2003 Certified Company

Technical Specifications

SYRINGE SIZES
5, 10, 20, 50/60, 100ml

INFUSION MODES
Easy & Normal

INFUSION RATES

Syringe	ml/hr
5ml	0.1 - 200 ml/hr
10ml	0.1 - 450 ml/hr
20ml	0.1 - 750 ml/hr
50/60ml	0.1 - 1500 ml/hr
100 ml	0.1 - 1500 ml/hr

BOLUS RATES

Syringe	ml/hr
5ml	10 - 200 ml/hr
10ml	10 - 450 ml/hr
20ml	10 - 750 ml/hr
50/60ml	10 - 1500 ml/hr
100 ml	10 - 1500 ml/hr

(Bolus Rate cannot be set lower than Infusion Rate)

Note : During Bolus, "X min Prealarm" & "Low Battery" alarms are delayed until BOLUS key is pressed

FLOW RATE ACCURACY
±2% OR ± 0.1 ml/hr whichever is greater (with recommended/approved syringes)

MECHANICAL ACCURACY
±1%

VOLUME LIMITS
0.1 - 99.9 ml in 0.1 ml step
100 - 999 ml in 1 ml steps
unlimited entered volume (NO LIMIT)

TOTAL VOLUME
0.1 - 9999.9 ml

INFUSION TIME
999hrs 00 min 00sec

BOLUS TYPES
Automatic and manual (user selectable)

KOR (Keep Open Rate) RATE
Programmable through Setup Menu
(0.1 to 10 ml/h)
If Infusion Rate less than Programmed KOR Rate - KOR rate will be the Infusion rate

OCCLUSION ALARMS PRESSURE

LOW	300 ± 112 mmHg	(40±15 Kpa)
MED	600 ± 120 mmHg	(80±20% Kpa)
HIGH	900 ± 180 mmHg	(120±20% Kpa)

(LOW & MED limits available only with 50/60/100ml syringes)

ALARMS
No Power, Check AC Mains Supply; Low Battery; Very Low Battery; Occlusion Alarm; X Min Pre Alarm; KOR (KVO); End of Infusion; Syringe is Empty; Internal Error; Wrong Insertion/No Syringe Inserted/Insert Syringe into Plunger/Please Close the Clamp (Syringe Loading Errors); Unsecured Barrel; Disen-gaged Plunger; 2 min Inactive Attention Alarm

STANDBY TIMER
1 to 999 min

DISPLAY TYPE
LCD with Blue backlight

AC POWER SUPPLY
230VAC ± 15%, 50/60 Hz

POWER CONSUMPTION
10VA Max

FUSE
T100 mA, 250Vac, Slow Blow, 5x20mm

BATTERY TYPE
NiMh Rechargeable battery - 9.6 V, 1600mAh

BATTERY BACK-UP
>8 hrs @ 5 ml/hr

BATTERY CHARGING TIME
Upto 24 hrs to 100% charge

PROTECTION AGAINST CURRENT LEAKAGE
Debfibrillator-proof type CF applied part

PROTECTION AGAINST ELECTRICAL SHOCKS
Class II

PROTECTION AGAINST SPLASHING LIQUID
IPX4 (splashing water protected)

ELECTRICAL SAFETY & EMC
IEC 60601- (1, 1-2, 2-24)

MAXIMUM VOLUME UNDER SINGLE FAULT CONDITION
<0.5ml

OPERATING CONDITIONS
Temperature: + 5°to 40°C
Relative Humidity - 90% max (non condensation)
Atmosph Pressure 70-160Kpa

STORAGE CONDITION
Temperature - 0 to 40 ° C
Relative humidity - 90% max (non-condensing
Atmosph Pressure 70-160 KPa

WEIGHT
2.5 kg

DIMENSION
265 (W) x 185 (D) x 135 (H) mm

MOUNTING
Table top operation
Universal pole clamp

Specifications subject to change without prior notice.