

Super Advanced Volumetric Infusion Pumps

Model
INFUSOR III^{pro}



- High Accuracy $\pm 5\%$
- Double air bubble detect
- IP Level 34
- 4.3 Inch Color Touch Screen
- Vertical & Horizontal mounting clamp
- Double pressure detect
- DERS (Drug error reduction system)
- DPS dynamic pressure display
- Stackable Design



Medi Waves INC

Office: B-68, G.T. Karnal Road Industrial Area, Delhi-110033, India
Works: 92, Sec-57, Phase-IV, HSIIDC Kundli, Sonapat, Haryana - 131028

✉ info@medi-waves.com
☎ +91-11-4238-4227



Physical Specifications

Weight	1.4 Kg
Size	199mm(W)*126.5mm(H)* 111mm(D)
Screen	4.3-inch TFT full-color touch screen
Handle	Standard foldable handle
Stackable	Free stack between pumps without any auxiliary tools
Sound volume	1-10 levels adjustable
Brightness	1-10 levels adjustable
Infusion Display	Large font display: key infusion parameter clearly visible from 5 meters away

Display Information

System Information	IV set brand, IV set size, Lock screen status, Name of drug selected, Battery capacity remaining
Infusion information	Rate, VTBI, Remaining time, Total volume infused, Real-time occlusion pressure, Alarms, etc. Touchscreen button: Start/Stop, Bolus/Purge, Menu Pressure sensor Down pressure sensor
Air bubble sensor	Up air bubble sensor
Door lock	2
Door sensor	1

Parameters Specifications

Accuracy	Rate 1ml/h, accuracy; $\pm 5\%$
Mode	8 infusion mode (Rate mode, Time mode, Body-weight mode, Drip mode, Drug library mode, Ramp up/down mode, Loading dose mode, Sequence mode)
Infusion Rate	0.10-1500 ml/h, (minimum step is 0.01 ml/h)
Minimum Flow Rate	0.1 ml/h(0.1-99.99 ml/h)
Increment	0.1 ml/h(100-999.9ml/h) 1ml/h(1000-1500ml/Hr 1/h)
Drip mode range	1-500 drops/min(Depends on tubing size)
Bolus rate Purge rate	0.10-1500ml/h,minimun step is 0.01 ml/h 1500ml/h
KVO RATE	0.00-5. 00ml/h(Default 1 ml/h)
MICROMODE RATE	precise infusion control for newborns, special drugs,small-dose administration etc. 100-1500ml/h
VTBI	0.01-9999.99ml, minimum step is 0. 01ml
TOTAL VOLUME INFUSED	0.00-9999.99ml, minimum step is 0. 01ml
Body Weight	0.1-300.0kg
Volume (Fluid Amount)	0.01-99999. 9
Concentration unit	ng/min, ng/h, ng/kg/min, ng/kg/h, ug/min, ug/h, ug/kg/min, ug/kg/h, mg/min, mg/h, mg/kg/min, mg/kg/h, g/min, g/h, g/kg/min, g/kg/h, U/min, U/h, U/kg/min, U/kg/h, IU/min, IU/h, IU/kg/min, IU/kg/h, KU/min, KU/h KU/kg/min, KU/kg/h, IE/min, IE/h, IE/kg/min, IE/kg/h, mol/min, mol/h, mol/kg/min, mol/kg/h, mmol/min, mmol/h, mmol/kg/min, mmol/kg/h, kcal/min, kcal/h, kcal/kg/min, kcal/kg/h
Dose rate unit	ng/ml, ug/ml, mg/ml, g/ml, U/ml, IU/ml, KU/ml, IE/ml, mol/ml, mmol/ml, kcal/ml
Time	1min-99hrs59min
Air bubble detector level	7 levels(50ul-800ul selectable), default level 1(50ul) Detects single bubbles (50ul) and accumulated bubbles
Occlusion detection	Level: 1-12 levels selectable, default level8: 600mmHg Range: 75mmHg-900mmHg Range: 300mmHg-900mmHg 4 pressure units selectable: mmHg, kPa, PSI, Bar
Anti Bolus	Motor automatically reverse while the IV tube with high pressure. Automatic drop line pressure to reduce bolus impact after occlusion.
Records	More than 5, 000 history records

Treatment Records	No less than 20 treatment records, one-click selection of historical treatment records for quick infusion initiation
Drug Library	No less than 2000 drugs
Night Mode	After turning on this mode switch, night mode will automatically turn on or off at the set time
Standby Mode	Range: 00: 0ls-99hrs: 59min

ALARMS

Type	Picture, sound, text, light to show the alarm information in a variety of ways
Alarm Level	3 Levels High: Pressure high, Battery empty, VTBI infused, KVO finished, Drop error, Air bubble, No battery, No power supply, Door open, System error Middle: Standby time expired, Accumulated air, Door not well closed Low: VTBI near end, Battery nearly empty, No battery inserted, Battery in use, Pump idle alert, Drop sensor connection, Check IV set. battery inserted, Battery in use, Pump idle alert, Drop sensor connection, Check IV set
Pump Idle Alert	2min, 5min, 10min, 15min, 20min, 30min

CONNECTIVITY

Communication	Wired/wireless
USB	Support drug library import, Data export, Software upgrade, IV set brand import, Nurse call, Drop sensor
Wireless	WIFI Module Optional
IrDA	Module Optional
Relay	Module Optional
Connectivity	HIS/CIS/OTHER 3RD PARTY
Titration	Supported
Optional Accessories	DCD Power Cord, Drop Sensor
BATTERY	
Operating Time	Specification: 7.4V 2500mAh Standard: 4.5hrs, optional: 9hrs(@25ml/h)
Charging Time	Standard: ≤ 2.5 hours
Power Supply	AC: 100-240V, 50/60Hz DC: 12V, 2A
Electric Protection	Class I
Ingress Protection	IP34

WORKING ENVIRONMENT

Operating	Temperature: 5-40°C Humidity: 15-95%, no-condensable Atmospheric pressure: 57-106kPa
Transport & Storage	Temperature: -20-55°C Humidity: 10-95%, no-condensable Atmospheric pressure: 50-106kPa