



Devay

DEVAY® MEDICAL TECHNOLOGIES

Arena

Syringe Infusion Pump



- Front loading with manual plunger opening syringe pump.
- Fully Micro Processor Controlled Based System
- Automatic Syringe size detection¹ of 5,10,20,50/60 ml.
- Portable, Durable, Light Weight, use friendly and easy to operate
- 3.2" Large Graphics display indicates Rate (in big font) Infused Volume, Time remain, Drug Name, Set Volume, Syringe size, Syringe Name.
- Display show continuously occlusion pressure graphically
- Any brand of Syringe can be calibrated and use
- User can set bolus program as per patient requirement online or programmable.
- Last program continue facility
- High volumetric accuracy over the entire delivery range
- Anti Bolus function active when occlusion detected. It helps to release pressure in patient vein.
- Wide range of adjustable flow rates from 0.1 ml to 1500ml per hour
- Compatible with syringe range of 5ml, 10ml, 20/30ml and 50/60ml
- Stand by mode facility available
- Ideally suitable for ICU, ICCU, NICU, PICU, OT, Pain Management Treatment.
- Visual alarm from all four side.
- Stackable Syringe Pump.

Simple Accurate Versatile

SPECIFICATIONS

OVERALL ACCURACY	+ / 2% (MEASURED TIME >1 HR; MIN 0.2ML)
FLOW RATE RANGE	0.1 - 50ML/HR FOR 10 ML SYRINGE 0.1 - 100ML/HR FOR 20 ML SYRINGE 0.1 - 120ML/HR FOR 30 ML SYRINGE 0.1 - 1500ML/HR FOR 50/60 ML SYRINGE (ABOVE 200.1 WITH PASSWORD PROTECTED IN HIGH INFUSION)
INFUSION VOLUME LIMIT	60ML, PROGRAMMABLE EVERY 0.1 ML
BOLUS RATE	100ML/HR, 200ML/HR, 500ML/HR AND 1200ML/HR (DEPENDS ON SYRINGE SIZE)
OCCLUSSION DETECTION PRESSURE LIMIT	PROGRAMMABLE THREE LEVEL LOW 0.4 + / 0.08 BAR MEDIUM 0.8 + / 0.20 BAR HIGH 1.2 + / 0.25 BAR
KVO RATE	1% OF SELECTED INFUSION RATE BUT MIN 0.1ML/HR
SYRINGE TYPE USED	B I BRAUN-OMNIFIX, B I BRAUN-PERFUSER, BD PRESISE, BD-DISCARDIT, DISPOVAN, ROMSON, NIRLIFE & BRAND OF 5,10,20,30,50,60 ML SYRINGES WITH THEIR DIFFERENT MODELS.
DRUG LIBRARY 50	NUMBERS OF DIFFERENT DRUGS
INDICATORS ALARMS	ALARMS, RUN AND MAINS BATTERY, LOW BATTERY, OCCLUSSION, NO SYRINGE, 5 MINUTE PRE ALARM, END OF INFUSION, ANTI BOLUS - KVO ACTIVE , WRONG SYRINGE LOADED
POWER	
POWER SUPPLY INTERNAL BATTERY	AC INPUT RANGE 110V TO 280 VOLT AC, 50/60HZ
BATTERY BACK UP ON OPERATING RANGE	INBUILT SMF NIMH (SHIELD MAINTENANCE FREE) 10 TO 12 HRS. UNDER STANDARD CONDITION.
POWER CONSUMPTION	10 WATTS MAX.
HOUSING AND CONSTRUCTION	
WEIGHT	2.0 KG APPROX.
DIMENSION	290 MM (L),195 MM (H).165 MM (W) APPROX.

Infuplus

Syringe Infusion Pump



- Front loading with manual plunger opening syringe pump.
- Fully Micro Processor Controlled Based System
- Automatic Syringe size detection¹ of 5,10,20,50/60 ml.
- Portable, Durable, Light Weight, use friendly and easy to operate
- Large continuous display of four lines indicates Rate Setting, Volume Infused to Patient drug name with syringe brand and Time Remain
- Any brand of Syringe can be calibrated and use
- Big LED Display of rate. Three step easy operation.
- User can set bolus program as per patient requirement online or programmable.
- Last program continue facility
- High volumetric accuracy over the entire delivery range
- Anti Bolus function active when occlusion detected. It is helps to release pressure in patient vein.
- Wide range of adjustable flow rates from 0.1 ml to 1500ml per hour
- Compatible with syringe range of 5ml,10ml, 20/30ml and 50/60ml
- Stand by mode facility available
- Ideally suitable for ICU, ICCU, NICU, PICU, OT, Pain Management Treatment

Simple Accurate Versatile

SPECIFICATIONS

OVERALL ACCURACY	+ / 2% (MEASURED TIME >1 HR; MIN 0.2ML)
FLOW RATE RANGE	0.1 - 50ML/HR FOR 10 ML SYRINGE 0.1 - 100ML/HR FOR 20 ML SYRINGE 0.1 - 120ML/HR FOR 30 ML SYRINGE 0.1 - 1500ML/HR FOR 50/60 ML SYRINGE (ABOVE 200.1 WITH PASSWORD PROTECTED IN HIGH INFUSION)
INFUSION VOLUME LIMIT	60ML, PROGRAMMABLE EVERY 0.1 ML
BOLUS RATE	100ML/HR, 200ML/HR, 500ML/HR AND 1200ML/HR (DEPENDS ON SYRINGE SIZE)
OCCCLUSION DETECTION PRESSURE LIMIT	PROGRAMMABLE THREE LEVEL LOW 0.4 +/- 0.08 BAR MEDIUM 0.8 +/- 0.20 BAR HIGH 1.2 +/- 0.25 BAR
KVO RATE	1% OF SELECTED INFUSION RATE BUT MIN 0.1ML/HR
SYRINGE TYPE USED	B I BRAUN-OMNIFIX, B I BRAUN-PERFUSER, BD-PRESISE, BD-DISCARDIT, DISPOVAN, ROMSON, NIRLIFE & BRAND OF 5,10,20,30,50,60 ML SYRINGES WITH THEIR DIFFERENT MODELS.
DRUG LIBRARY 50	NUMBERS OF DIFFERENT DRUGS
INDICATORS ALARMS	ALARMS, RUN AND MAINS BATTERY, LOW BATTERY, OCCCLUSION, NO SYRINGE, 5 MINUTE PRE ALARM, END OF INFUSION, ANTI BOLUS - KVO ACTIVE , WRONG SYRINGE LOADED
POWER	
POWER SUPPLY INTERNAL BATTERY	AC INPUT RANGE 110V TO 280 VOLT AC, 50/60HZ INBUILT SMF NIMH (SHIELD MAINTENANCE FREE)
BATTERY BACK UP ON OPERATING RANGE	10 TO 12 HRS. UNDER STANDARD CONDITION.
POWER CONSUMPTION	10 WATTS MAX.
HOUSING AND CONSTRUCTION	
WEIGHT	2.0 KG APPROX.
DIMENSION	290 MM (L),195 MM (H).165 MM (W) APPROX.

Blue i Blue i+

LED Photo Therapy



Phototherapy is the most frequently used device to treat new born Jaundice babies. 10% of all new born worldwide require treatment for Jaundice to prevent severe brain damage, lifelong disability and death. So Early Recovery of Jaundice is required and depends upon irradiance of light (Optimal in the Blue 450-470 nm) exposed on baby body surface area and also dependent duration of time. The most commonly used to treat new born Jaundice are the fluorescent Blue tube convectional light, halogen lamp, Xenon bulbs, fiber optic Blanket, each of these different device therapy has numbers of disadvantages like high heat production, unstable wave length having decreasing of irradiance (Approx 2000 hrs. maximum), so life of that device is very low and having maximum running cost.

To circumvent this issue we “Devay Medical Technologies” has developed an innovative long life (Approx 1,00,000 hrs.) Low power high intensity LED based cool light phototherapy having low running cost and more efficient. It does not emit Ultraviolet (UV) and Infrared Light which causes skin damage and hyperthermia, Delivery Treatment that complies with the American Academy of Pediatrics phototherapy standard it should be > 30 microwatt $\text{cm}^2 \text{nm}$.

Simple Accurate Versatile

- LED Phototherapy Unit
- Long Life
- Meets all Guidelines
- Low Power Consumption
- Safe & Quick Result
- Compact Size
- Low Running Cost
- Display of Run Time, Feed alarm, Dose Time, Dose Received. (Optional)
- Irradiance changeable / set able (Optional)



SPECIFICATIONS

LIGHT SOURCE	20 DEEP BLUE LED IN BLUE i & 24 DEEP BLUE LED IN BLUE i+, 2 WHITE BRIGHT LED FOR OBSERVATION (OPTIONAL)
DOMINANT WAVELENGTH	450-470 NM
SPECTRAL IRRADIANCE	BLUE i: 37 TO 40 MICROWATT/CM2/NM BLUE i +: 42 TO 45 MICROWATT/CM2/NM
LCD DISPLAY (OPTIONAL)	HAVING TWO LINE LCD DISPLAY FEATURES INCLUDES DOSE SETTING, HOURS CALCULATING & DISPLAY FEED ALARM SETTING, AUTO OFF AFTER SET DOSE
ELECTRICAL SPECIFICATION	
OPERATING VOLTAGE	230 – 240 V, FREQ 50/60 HZ
POWER	26 WATTS MAXIMUM
CONSUMPTION FUSE	500 MA, 230-240 V, 50/60 HZ
SINGLE LED	1 WATT, 350 MA AND 3.2 VOLT WORKING VOLTAGE
ENVIRONMENTAL SPECIFICATION	
OPERATING TEMPERATURE	1 TO + 48 DEGREE VOLTAGE
RELATIVE HUMIDITY	0 TO 97 % (NON CONDENSATION)
PHYSICAL SPECIFICATION	
LED UNIT BOX (H/W/L)	(9.5 * 23 * 41) CM
TROLLEY UNIT (H/W/L)	(110*46*70) CM
HEIGHT	110 – 170 CM
GROUND CLEARANCE OF BASE	STAND – 4.0 CM, TROLLEY – 13.0 CM
TILE ADJUSTMENT	+/- 180 DEGREE

Infuplus

Syringe Infusion Pump



- Fully microprocessor controlled based system
- Portable, Durable, Light-weight user friendly and easy to operate
- Large display of four line displayed set rate, infused volume, time remaining, bat/L bat
- Help menu facility during setting of pump operation
- High volumetric accuracy over the entire delivery range
- Wide range of adjustable flow rates from 0.1ml to 300ml/hr. in volumetric selection
- 1 drop to 100 drop/min. in Drop selection
- Various types of different IV sets used in normal / Macro are like 16, 17, 18, 19 & 20 drops equal to 1 ml.
- In Micro IV sets used 60 drops equals to 1 ml.
- Compatible with all branded calibrated normal and micro IV sets
- Purge/ bolus facility during run mode
- Volume and Drop facility in combo pump
- Ideally suitable for ICU, ICCU, NICU, PICU, Pain management & Research Laboratory
- Automatic Error identification and recovery facility is very useful in precise free flow infusion device,
- A unique feature's incorporated in our infusion pump. It gives more accurate infusion solution.

Simple Accurate Versatile

The infusion drip control mainly deals with controlling the dripping and measurement during clinical venous transfusion, it carries out all kind of transfusion required more precisely. The infusion drip control makes the UID enter into the body precisely in the way of requirement of pharmaceutical dynamics. It thereby improves the curative effects of the medicines and lightens the poisonous reaction on them.

SPECIFICATIONS

ACCURACY	+/- 3 TO 5 % (MEASURED TIME. 1HRMIN 0.2 ML)
FLOW RATE	0.1 TO 300 ML/HR VOLUMETRIC MACRO RANGE 0.1 TO 100 ML/HR VOLUMETRIC MICRO RANGE 1 TO 100 DROPS PER MINUTE RANGE IN – (DROP PUMP-MACRO & MICRO)
VOLUME LIMIT	1 TO 999 ML
DISPLAY	20 X 4 LINE LCD DISPLAY SET RATE, INFUSED VOLUME, TIME REMAINING, BAT/L BAT
ALARM (AUDIO/ VISUALS) WITH BLINKING DISPLAY	BAT/L BAT, HIGH OW, LOW OW- EMPTY BOTTLE, 5 MINUTE PER ALARM, INFUSION COMPLETED, DOOR OPEN
DROP DETECTOR	LED ASH FOR SENSOR DISCONNECTION VISIBLE DROPS ARE DETECTED BY INFRA-RED EMITTER & SENSOR EACH DETECTION IS INDICATED BY ASH OF RED LED
MECHANICAL	CORROSION FREE
ELECTRICAL MAINS POWER	MICROPROCESSOR BASED CIRCUIT 220-230 VOLTS AC, FREQ. 50/60 HZ
POWER CONSUMPTION	12 WATTS MAX.
OPERATING CONDITIONS	AMBIENT TEMPERATURE: 05 TO 40 DEGREE CENTIGRADE RELATIVE HUMIDITY: 20 TO 90 (NO CONDENSATION)
BATTERY POWER	MAINTENANCE FREE NIMH BATTERY WITH 4 HOURS BACK UP@ RATE 5ML/HR.
WEIGHT	2.6 KG, APPROX.
DIMENSIONS	145 MM (L), 210 MM (H), 125 MM (W) APPROX.

Infusa - 101P+

Syringe Infusion Pump



- Front loading with manual plunger opening syringe pump.
- Fully Micro Processor Controlled Based System
- Automatic Syringe size detection of 5,10,20,50/60 ml.
- Portable, Durable, Light Weight, use friendly and easy to operate
- Large continuous display of four lines indicates Rate Setting, Volume Infused to Patient drug name with syringe brand and Time Remain
- Any brand of Syringe can be calibrated and use
- Big LED Display of rate. Three step easy operation.
- User can set bolous program as per patient requirement online or programmable.
- Last program continue facility
- High volumetric accuracy over the entire delivery range
- Anti Bolus function active when occlusion detected. It is helps to release pressure in patient vein.
- Wide range of adjustable ow rates from 0.1 ml to 1500ml per hour
- Compatible with syringe range of 5ml,10ml,20/30ml and 50/60ml
- Stand by mode facility available
- Ideally suitable for ICU, ICCU, NICU, PICU, OT, Pain Management Treatment

Simple Accurate Versatile

SPECIFICATIONS

OVERALL ACCURACY	+/- 2% (MEASURED TIME >1 HR; MIN 0.2ML)
FLOW RATE RANGE	0.1 - 50ML/HR FOR 10 ML SYRINGE 0.1 - 100ML/HR FOR 20 ML SYRINGE 0.1 - 120ML/HR FOR 30 ML SYRINGE 0.1 - 1500ML/HR FOR 50/60 ML SYRINGE (ABOVE 200.1 WITH PASSWORD PROTECTED IN HIGH INFUSION)
INFUSION VOLUME LIMIT	60ML, PROGRAMMABLE EVERY 0.1 ML
BOLUS RATE	100ML/HR, 200ML/HR, 500ML/HR AND 1200ML/HR, DEPENDS ON SYRINGE SIZE
OCCLUSION DETECTION PRESSURE LIMIT	PROGRAMMABLE THREE LEVEL LOW 0.4 +/- 0.08 BAR MEDIUM 0.8 +/- 0.20 BAR HIGH 1.2 +/- 0.25 BAR
KVO RATE	1% OF SELECTED INFUSION RATE BUT MIN 0.1ML/HR
SYRINGE TYPE	USED B I BRAUN-OMNIFIX, B I BRAUN-PERFUSER, BD- PRESISE, BD-DISCARDIT, DISPOVAN, ROMSON, NIRLIFE & BRAND OF 5,10,20,30,50,60 ML SYRINGES WITH THEIR DIFFERENT MODELS.
DRUG LIBRARY	50 NUMBERS OF DIFFERENT DRUGS
INDICATORS	ALARMS, RUN AND MAINS
ALARMS	BATTERY, LOW BATTERY, OCCLUSION, NO SYRINGE, 5 MINUTE PRE ALARM, END OF INFUSION, ANTI BOLUS - KVO ACTIVE , WRONG SYRINGE LOADED
POWER	
POWER SUPPLY INTERNAL	AC INPUT RANGE 110V TO 280 VOLT AC, 50/60HZ
BATTERY	INBUILT SMF NIMH (SHIELD MAINTENANCE FREE)
BATTERY BACK UP ON OPERATING RANGE	10 TO 12 HRS. UNDER STANDARD CONDITION.
POWER CONSUMPTION	10 WATTS MAX.
HOUSING AND CONSTRUCTION	
WEIGHT	2.0 KG APPROX.
DIMENSION	290 MM(L), 195 MM(H), 165 MM(W) APPROX

Infusa - 101P

Syringe Infusion Pump



- With selectable 3 pre-programmes (editable)
- Front loading syringe system
- Portable, Durable, Light weight, user friendly and easy to operate
- Fully Micro Processor Controlled Based System
- Large display of four lines indicates Rate Setting, Volume Infused to Patient and Time Remain (Unique feature)
- Help menu facility during setting of pump operation
- User can set bolous program as per patient requirement
- Infuse Rate can be changed during the process
- Last program continue facility
- High volumetric accuracy over the entire delivery range
- Wide range of adjustable flow rates from 0.1ml to 200ml per hour
- Three selected Audio-Visual pressure alarm limits for occlusion
- Compatible with syringe range of 10ml, 20/30 ml and 50/60 ml
- Pre-Installed syringe directory of different brands of syringes
- Very useful for Pain Management Treatment
- Stand by mode facility available
- With KVO (Keep Vain Open) function (0.1ml/hr minimum)
- Ideally suitable for ICU, ICCU, NICU, PICU, OT

Simple Accurate Versatile

SPECIFICATIONS

OVERALL ACCURACY	+/- 2%(MEASURED TIME>1HR; MIN0.2ML)
MEMORY	FOR 3 SELECTED & EDITABLE PROGRAMMES
FLOW RATE RANGE	0.1 -60ML/HR FOR 10 ML SYRINGE 0.1 -100ML/HR FOR 20 ML SYRINGE 0.1 -120ML/HR FOR 30 ML SYRINGE 0.1 -200ML/HR FOR 50/60 ML SYRINGE
INFUSION VOLUME LIMIT	60ML, PROGRAMMABLE EVERY 0.1 ML
BOLUS RATE	UP TO1000 ML/HR
OCCLUSION DETECTION PRESSURE LIMIT	PROGRAMMABLE THREE LEVEL LOW 0.4 +/- 0.08 BAR MEDIUM 0.8 +/- 0.20 BAR HIGH 1.2 +/- 0.25 BAR
KVO RATE	1% OF SELECTED INFUSION RATE BUT MIN 0.1ML/HR
SYRINGE TYPE USED	B BRAUN-OMNIFIX, B BRAUN-PERFUSER, BD-PRESISE, BD-DISCARDIT, DISPOVAN, MEDISAFE, ROMSON, HRJ. & TERUMO BRAND OF (10,20,30,50/60 ML) SYRINGES WITH THEIR DIFFERENT MODELS.
INDICATORS	RUN AND MAINS.
ALARMS	BATTERY, LOW BATTERY, OCCLUSION, NO SYRINGE, 5 MINUTE PRE ALARM, END OF INFUSION, KVO.
POWER	
POWER SUPPLY (EXTERNAL)	AC INPUT RANGE 110V TO 280 VOLT AC, 50/60HZ
BATTERY	INBUILT IMPORTED SMF (SHIELD MAINTENANCE FREE)
BATTERY BACK UP ON OPERATING RANGE	10 TO 12 HRS. UNDER STANDARD CONDITION
FUSE	400 MA
POWER CONSUMPTION	10 WATTS MAX.
HOUSING AND CONSTRUCTION	
WEIGHT	2.0 KG APPROX.
DIMENSION	250 MM(L), 140 MM(H), 95 MM(W) APPROX



Devay

Manufactured By

DEVAY® MEDICAL TECHNOLOGIES

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Our Nearest Contact