



**ALLIED  
MEDICAL**

# SYRN 200

## Syringe Pump



Allied Syrn 200 syringe pump has been designed to combine high level of safety and performance with simple & reliable operation. Syrn 200 offers comprehensive range of features making it ideal for general, critical care & neonatal infusion where accuracy is important.

### Features



Docking Station (Optional)

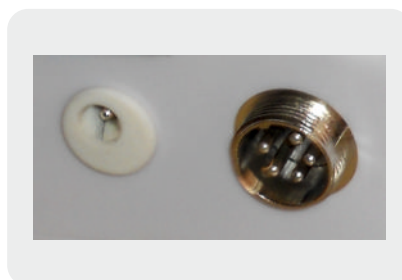
- User Friendly Interface on 2.6 inches HD LCD Display
- Accepts 5, 10, 20, 30, 50, 100 mL syringe
- Mode of operation: Simple, Vol/Time, Vol/Weight, RC
- RC mode allows user to change rate during ongoing infusion
- 0.1mL/Hr to 1500 mL/Hr flow rate
- Programmable to accept any brand of syringe
- Target volume and Time setting
- Elapsed time display
- KVO (Keep Vein Open) automatically opens as infusion is complete
- Front Loading Spill Proof System
- Freely Stackable
- Automatic syringe size detection
- Variable Bolus/ Purge function
- Infused volume display
- Variable occlusion pressure
- Built in rechargeable battery
- Connection to Nurse Call & 12V supply (optional) for Mobile/ Ambulance Applications
- Anti-siphon protection
- Anti Bolus System (ABS) (Optional)

### Alarms

- Near Empty (3 mins before end of Syringe)
- Battery Low (10 mins before full discharge)
- Operation status of battery
- AC power failure
- End of Syringe
- Occlusion (Syringe Blocked)
- Setting Error
- Volume Limit
- Syringe Improperly Installed



Single Hand Operation



Connection to Nurse Call and 12V supply for mobile/Ambulance Applications



HD LCD Display

# Technical Specifications

Pump Type	Syringe Pump	
Pumping Method	Syringe Driven	
Flowrate Range	0.1–150.0ml/Hr (5ml), 0.1–600.0ml/Hr (20ml), 0.1–1500.0ml/Hr (50ml),	0.1–300.0ml/Hr (10ml) 0.1–900.0ml/Hr (30ml) 0.1–1500 l/Hr (100ml)
Parameter Combination Setting	4 Programmable Modes Type I: Set Simple Flow Rate only Type III: Set Flow Rate & Target Time	Type II: Set Flow Rate & Target Volume Type IV: Dosage Weight Mode
Applicable	5mL, 10mL, 20mL,30mL,50mL,100mL Syringe from any brand. Programming is simple and may be programmed in field by technician. Syringe size detection is automatic.	
Accuracy	Mechanical Accuracy $\pm 1\%$ , Including Syringe $\pm 2\%$	
Purge/Bolus Rate	100ml up to 1500ml/h 30ml up to 900ml/h 10ml up to 300ml/h	50(60)ml up to 1500ml/h 20ml up to 600ml/h 5ml up to 150ml/h
KVO	0.1ml to 1ml or pre-defined 1ml /h, automatically opens one pre-set volume is completed	
Volume Range	0.1 - 999ml (0.1 ml step)	
Elapsed Time	Visual Display of Elapsed time from 00.00 to 99.59(hrs.min)	
Occlusion Pressure	High: 800mmHg $\pm$ 200mmHg Medium: 500mmHg $\pm$ 100mmHg Low: 300mmHg $\pm$ 100mmHg	(106.7kPa $\pm$ 26.7kPa) (66.7kPa $\pm$ 13.3kPa) (40.7kPa $\pm$ 13.3kPa)
Drug Library	Up to 50 drug name display (up-gradable to 100 Drugs)	
Event Log	300 event logs & automatic recording of last infusion settings.	
Voice Alarms	Near Empty (3 mins. before end of Syringe), Battery Low 10 mins. before full discharge, Operation of Battery, AC power failure, End of Syringe, Occlusion (Syringe Blocked), Wrong Setting, Volume Limit, Syringe Improperly Installed	
Power Supply	AC Power source 110V to 240V / 50Hz Automatic changeover to internal Battery at less than 180V. Rechargeable battery with backup of 6 hrs@ 5ml/hr flow rate Optional: Extended Battery Back up for 12 hrs	
Fuse	T 50 mA / 250 V	
Power Consumption	12 V DC input to use in ambulance, AC power source 0.1 Amps (Max). 30VA (maximum consumption).	
Display	2.6" LCD, LED	
Dimension (mm)	L 275 x W 210 x H 122	
Weight	2.0 kg	
Interface	Com Port, USB Port (optional)	
Operation / Storage Temperature Requirements	Ambient Temperature: (+)5–(+ )40 Relative Humidity: 20%–90% Atmosphere Pressure: 86kPa–06kPa	Ambient Temperature: (-)30–(+ )55 Relative Humidity: 20%–95% Atmosphere Pressure: 70kPa–106kPa
Standard	EN 60601-1:2006/A1:2013, EN 60601-1-2:2015, EN 60601-2-24:2015	



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