

Ambulatory Infusion Pump

Accumate[®] 1100

Ultimate Choice for Patient Safety



*One screen shows Flow Rate and Drug Rate
Wide Display and Easy View
Enhanced Safety Function*

Features

Safety

1. AUTO-CLAMPING TUBE

Exclusive and innovative tubing set protects patients from free-flow of medication.

2. Hourly Limit

Maximum bolus doses per 1-4 hours can be limited.

3. ACCURACY

The pump guarantees flow rate accuracy to be within $\pm 5\%$.

4. KVO

KVO rate, or the flow rate for Keep-Vein-Open, can be programmed.

5. Enhanced Security

Key pad lock, 3 lock levels.

6. REVERSE PUMPING PROTECTION

There is a clutch bearing to prevent the motor from rotating in the reverse direction.

7. ALARM

The pump gives alarms for warning. For example, in case of running with the pump door open.

8. OCCLUSION DETECTION

If the pressure in the tube is too high, the pump stops running with an alarm.

Convenience

1. EASY SET UP

It is very simple to install the disposable tubing set on the pump.

2. LARGE LCD

The pump features very large LCD with word/symbol icons for fast visual recognition.

3. KEY PAD

Intuitive key pad design makes user feel convenient to operate the pump.

4. BROAD RANGE OF FLOW RATE

The flow rate ranges from 0.1 to 250 ml/hr by 0.1 increments for maximum flexibility.

5. FLOW RATE CHANGE IN SPECIAL PARAMETERS

The user can change the flow rates of Bolus dose and Loading Dose freely and easily.

6. AUTO-RESTART AFTER SOLVING ERRORS

The pump restarts automatically after solving all errors without additional manipulation of user.

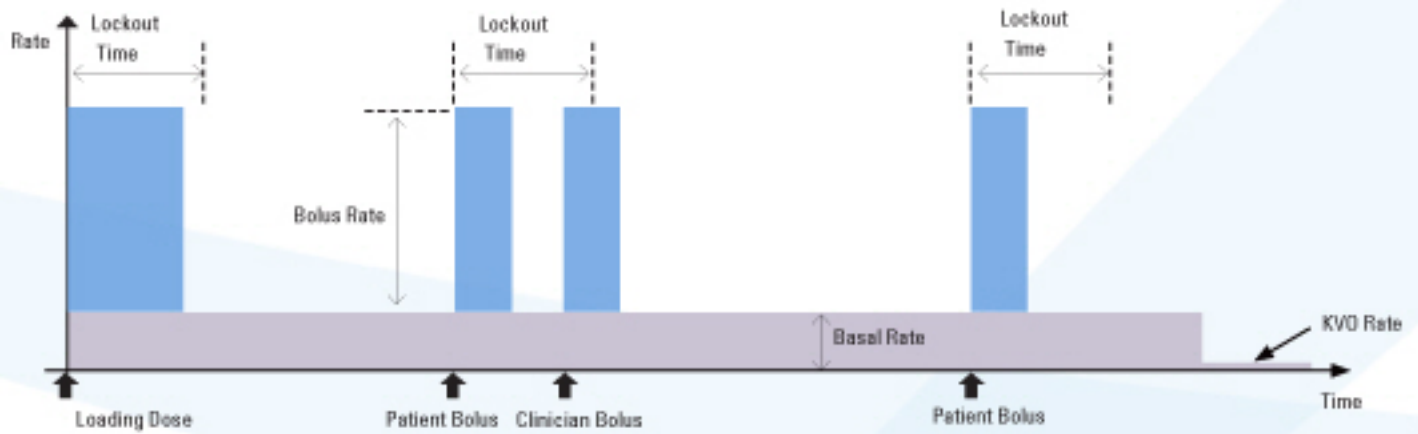
7. PORTABILITY

Light weight and small size make the pump handy to carry in hospital and home.

8. REMOTE BOLUS SWITCH

The patient can conveniently infuse a bolus dose by pushing the remote bolus switch when pain is felt.

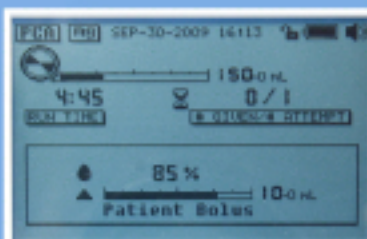
Infusion Profile



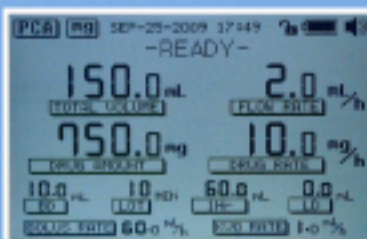
Display



One screens shows infusion status, running status, running time, bolus times, flow rate, infused volume, drug rate and dosed drug amount



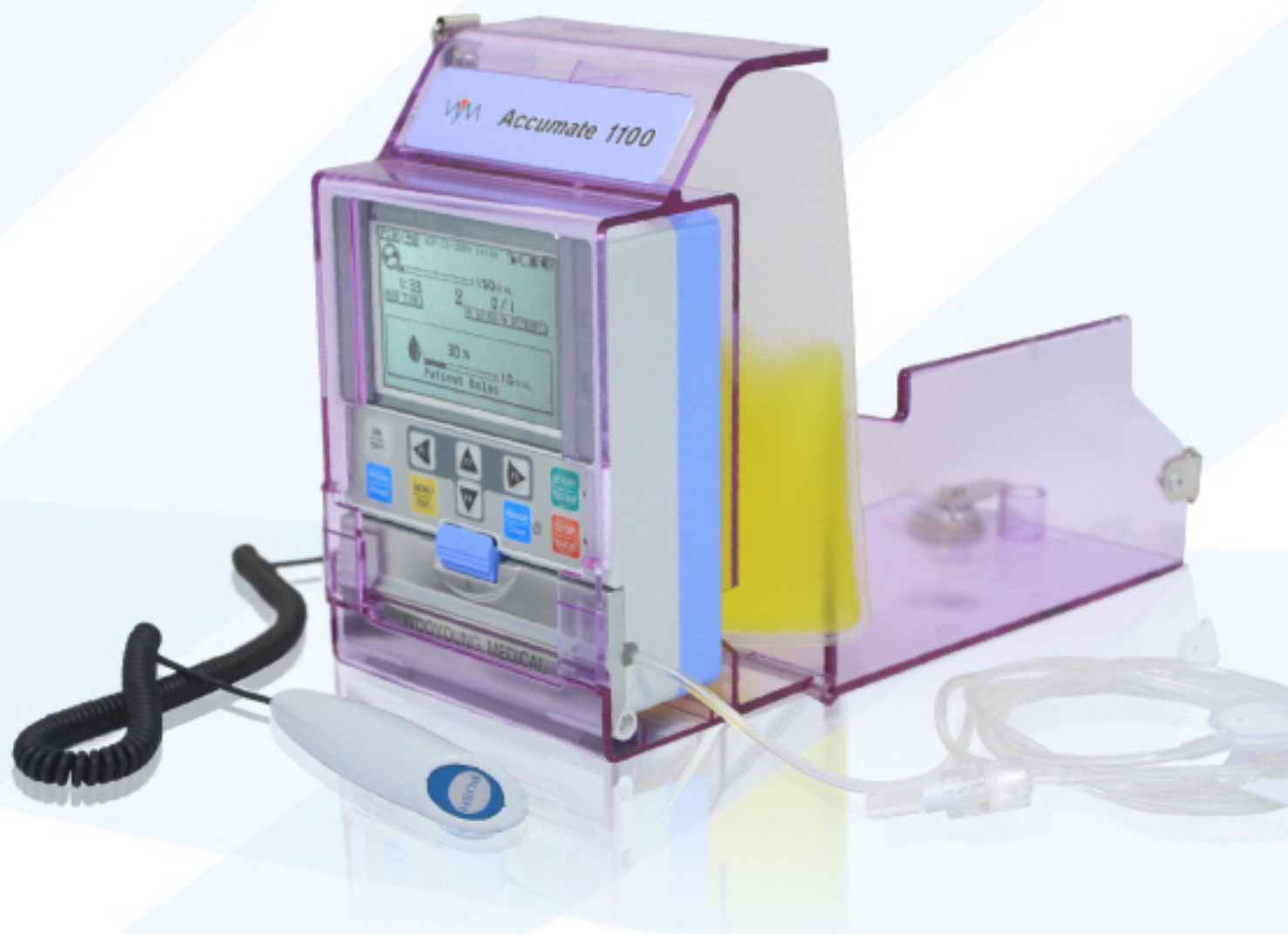
Bolus dosing status and times of bolus dose are shown



Three pumping modes are available; PCA, PCEA and CON.

User may choose mg, μ g or mL as dosing unit

Volume can be set from 0.1 ~ 999.9 mL in 0.1 mL increments.



Accessories

Tubing Set & Reservoir Bag



Carrying Case



Remote Bolus cord



Technical Specification

Product	Ambulatory Infusion Pump
Model	Accumate 1100
Pumping Mechanism	Linear Peristaltic
Pump Size	Width x Height x Depth = 92 x 114 x 38 (mm)
Weight	Approximately 400 g
Delivery Modes	PCA(bolus, IV), PCEA(bolus, epidural), CON(continuous)
Administration Sets	- Tubing Set: PCA-L1100 (Luer), PCA-L1150 (Spike), - Medication Reservoir Bag: PCA-PU150, PCA-PU250
Free-flow Protection	Integrated within dedicated tubing set
Flow Rate (mL/hr)	

Items	PCA	PCEA	CON
Basal	0.1 ~ 60.0	0.1 ~ 30.0	0.1 ~ 250.0
Bolus	0.1 ~ 120.0	0.1 ~ 120.0	N/A
Loading Dose	Bolus Rate	Bolus Rate	Bolus Rate
Clinician Bolus	Bolus Rate	Bolus Rate	N/A

Flow Rate Increments	0.1 mL/h
Priming Rate	250 mL/h
Flow Rate Accuracy	±5%
Occlusion Detection	4 ~ 20 psi (Adjustable: LOW, MEDIUM, HIGH)
Volume	0.1 ~ 999.9 mL (in 0.1 mL increments)
Display	Mono-graphic LCD, 240 x 160 pixels, Backlight (white)
Alarms	Downstream Occlusion, Door Open, Tubing Set unattended, Low Battery, Depleted Battery, Pump Stop, Near End of Infusion, End of Infusion, System Error
KVO Rate	0.1 ~ 9.9 mL/h
Data Communication	USB Communication
Operating Conditions	Ambient Temperature: 5 ~ 40°C, Relative Humidity: 10 ~ 90%
Storage Conditions	Ambient Temperature: 5 ~ 40°C, Relative Humidity: 10 ~ 90%
Power	AC Adapter Input: AC 100-120/220-240 V, 50/60Hz, 0.5A , Fuse:250V-130°C-2A Output: DC12V, 0.5A
Battery	Lithium-ion Rechargeable Battery, 7.4V, 1150mAh Battery Life: more than 150 hours at 2mL/h (continuous mode) Min. 12 hours at the max. flow rate 250mL/h Charge Time: 4 hours
Power Consumption	20 VA
Fluid-ingress Protection	IPX2: Dripping-proof (15° tilted)
Maximum Pressure	20 psi
Maximum Volume in Single	0.05mL
Fault Condition	
Administration Set Change Interval	Recommended administration set usage not to exceed *125 hours * follow standards of practice for set changes
Memory Retention	>10 years
Accessories	Accumate 1100 Remote Bolus Cord Accumate 1100 Carrying Case Accumate 1100 Detachable Pole Clamp