Volumetric Infusion Pump IP-7700
Syringe Pump SP-8800

"Everything you need"

Advanced Micro Pumping Technology
www.ampall.com

Faster, Easier and Clear

Numerical keypad
Easy and fast way to setup

Various displays
FND displays numerical data clearly and Color LCD displays detail information.

User friendly
Simple setup process makes user feel comfortable and variety display makes user get complete information at one glance.

- ⊙ **Self testing** - Every time the unit turns on, self testing is proceeded.
- ⊙ **K.V.O.(Keep Vein Open)** - When the delivery volume has been reached, flow rate turns into K.V.O. rate (adjustable from 1ml/h to 10ml/h) automatically.
- ⊙ **Keypad lock function** - Keypad is locked with or without password depend on its using condition.
- ⊙ **Infusion setup** - Flow rate/ Delivery volume/ Infusing time
- ⊙ **Retain memory** - Last setting value is retained.
- ⊙ **Remaining time display**
- ⊙ **Alarm repeat function**
- ⊙ **Open system** - Up to 10 IV set brands can be calibrated in a single unit.
- ⊙ **Buzzer level** - 3steps
- ⊙ **Occlusion level** - 9steps (4.5~14.5psi)
- ⊙ **Purge rate** - Adjustable (1~1000ml/h)
- ⊙ **Bolus rate** - ON/OFF, Adjustable (1~1000ml/h, 1~9999ml)
- ⊙ **History call back** - Display up to last 10 infusion data
- ⊙ **Dosage mode(Body weight mode)** - Automatically calculate and set the proper flow rate when the dose rate, body weight, drug mass and solution volume are entered. (Option)
- ⊙ **Drop sensor** - External (Optional item)
- ⊙ **Nurse call** - Each unit can be connected with nurse call system (DC 24V, 0.5A) (Option)
- ⊙ **Profile function** - Program infusion condition(flow rate, delivery volume, delivery time) differently every hour, up to 24hours. (Option)
- ⊙ **Central system** - Connect with main PC for monitoring (Option)

Syringe Pump SP-8800

Faster, Easier and Precise

Numerical keypad
Easy and fast way to setup

Simple, fast and convenient syringe installation

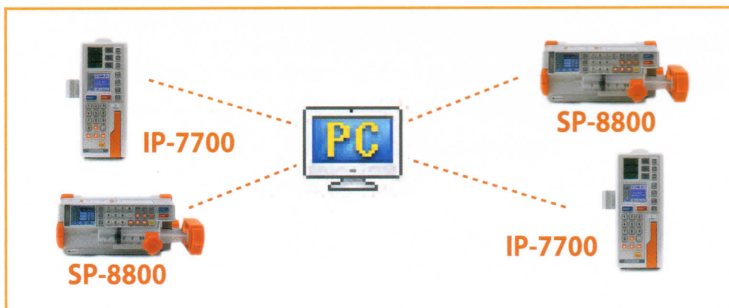**Color LCD,** Display complete infusion information

- ⊙ **Self testing** - Every time the unit turns on, self testing is proceeded.
- ⊙ **Auto-syringe detection** - Detect syringe size automatically.
- ⊙ **Shortcut key** - Syringe brand set, Occlusion set, Buzzer level set
- ⊙ **K.V.O.(Keep Vein Open)** - When the delivery volume has been reached, flow rate turns into K.V.O. rate (adjustable from 1ml/h to 10ml/h) automatically.
- ⊙ **Keypad lock function** - Keypad is locked with or without password depend on its using condition.
- ⊙ **Infusion setup** - Flow rate/ Delivery volume/ Infusing time
- ⊙ **Retain memory** - Last setting value is retained.
- ⊙ **Remaining time display**
- ⊙ **Alarm repeat function**
- ⊙ **Open system** - Up to 10 syringe brands can be calibrated in a single unit.
- ⊙ **Buzzer level** - 3steps
- ⊙ **Occlusion level** - 9steps (3.8psi~19.3psi)
- ⊙ **Purge rate** - Adjustable (0.1~1200ml/h)
- ⊙ **Bolus rate** - ON/OFF, Adjustable (0.1~1200ml/h, 0.1~1000ml)
- ⊙ **Anti bolus** - Reduce bolus significantly after occlusion release. (ON/OFF)
- ⊙ **History call back** - Display up to last 10 infusion data.
- ⊙ **Dosage mode(Body weight mode)** - Automatically calculates and sets the proper flow rate when the dose rate, body weight, drug mass and solution volume are entered. (Option)
- ⊙ **Unit setup for Dosage mode** - ml/h, mg/kg/h, mg/kg/min, μg/kg/h, μg/kg/min (Option)
- ⊙ **Nurse call** - Each unit can be connected with nurse call system (DC 24V, 0.5A) (Option)
- ⊙ **Profile function** - Program infusion condition(flow rate, delivery volume, delivery time) differently every hour, up to 24hours. (Option)
- ⊙ **Drug labeling** (Option)
- ⊙ **Central system** - Connect with main PC for monitoring (Option)

○ Specification

	IP - 7700	SP - 8800
Flow rate range	0.1~1000ml (Linear Peristaltic Finger)	Syringe 10ml : 0.1~300ml/h Syringe 20ml : 0.1~400ml/h Syringe 30ml : 0.1~500ml/h Syringe 50ml : 0.1~1200ml/h
Delivery Volume	1~9999ml	0.1~1000ml
Total infused volume (Volume to be infused)	1~9999ml	0.1~1000ml
Accuracy	Within ±2% on mechanism Within ±5% on approved IV set	Within ±1% on mechanism Within ±3% on approved syringe
Alarms (Audio & Visual)	Air in line, Occlusion, Flow error(Free Flow), Standby K.V.O.(Infusion Completion), Door open, Low battery, Device malfunction	Occlusion, K.V.O.(Infusion Completion), Standby, Near empty, Low battery, Device malfunction, Clamp/Handle lever/Slider disengaged, Syringe disengaged
Special function	Keypad lock, Retain memory, Remaining time, Alarm repeat, Open system, K.V.O., Purge, Bolus, Occ. level, History call-back, Dosage mode(Option), Nurse call(Option), Profile(Option), Central system(Option)	Keypad lock, Shortcut key, Retain memory, Remaining time, Alarm repeat, Open system, K.V.O.,Purge, Bolus, Anti bolus, Occ. level, History call-back, Dosage mode(Option), Nurse call(Option), Profile(Option), Drug labeling(Option), Central system(Option)
Weight	Approximately 3.5KG (without rechargeable battery 3KG)	Approximately 2.5KG (without rechargeable battery 2KG)
Dimension	100 X 190 X 250 (mm)	220 X 130 X 108 (mm)
Power consumption	40VA	18VA
Power requirements	AC110/230V, 50/60Hz or DC9.6V, DC12V/24V, 2A	AC110/230V, 50/60Hz or DC9.6V, DC12V/24V, 2A
Battery type	Ni-Cd rechargeable battery	Ni-MH rechargeable battery
Battery operating time	4hours (at 125ml/h)	2hours
Battery recharging time	6hours	6hours
Operating condition	10~40℃ 30~85% RH (no condensation)	5~40℃ , 30~90% RH (no condensation)
Storage condition	-10~45℃ , 10~95% RH (no condensation)	-20~45℃ , 10~95% RH (no condensation)

* The contents of this catalogue may be subject to a change for their functional or design improvements without a prior notice.

○ CENTRAL SYSTEM(WIRELESS)

IP-7700

SP-8800

SP-8800

IP-7700

PC

○ Intelligent Blood Pressure Measuring System.

Model : BP868F