

# VOLUMETRIC INFUSION PUMP

## • 35200 INFUSION PUMP IP-7700

This pump using peristaltic method is a cutting-edge pump realizing high flow precision with compatibility with I.V. set of various brands through ultrasonic bubble detection. IP-7700 provides simple and easy setup process with its numerical silicone keypad. FND and colour LCD provides complete information and user gets the information at one glance. Most infusion condition such as K.V.O. rate, purge rate and bolus can be setup as operating application. Supplied with battery.

### Main features

- **Light and compact design:** light as 3.5 kg, compact design, and easy to use.
- **Standard compatibility with 4 brands of IV SET:** TERUMO (TS PA 200L), BD (A122), KOREAN VACCINE (1 and 2), ARIES. Each pump can be calibrated for up to 10 different IV set.
- **Flexible flow setting and easy operation method:** Flow-setting range of 0.1~1000 ml/h, 0,1~999,9 ml/h is available for wide range settings and numerical keypad is easy to use for setting flow-volume.
- **Full program dosage feature (option):** it can calculate the right flow rate for a patient and inject promptly.
- **Easy recognition of alarm:** it notifies errors and emergencies with LED light and buzzer, simultaneous visual and audio alarm system.
- **Notifying remaining battery:** battery LED is attached to notify charged battery showing remaining battery and when to recharge.
- **Keep Vein Open feature:** when reached preset value, it converts to low flow speed of 3ml/h (when IV set is 15, 19, 20 drops/ml) or 1ml/h (when IV set is 60 drops/ml) automatically to prevent flow route clog due to blood coagulation.
- **Ultrasonic air bubble detector**
- **Suitable also for VET use**
- **35202 DROP SENSOR** - for more accurate dropping control (suggested for ICU and new born)
- **35201 Ni-Mh BATTERY** for pump since 2018 SN NE18 - spare
- **35203 Ni-Mh BATTERY** for pump up to 2017 SN NE17 - spare
- **35211 DOSAGE AND PROFILE PROGRAM** need Serial Number
- **26073 I.V. SET ARIES** - box of 150 (6 bags of 25) • **35204 ADAPTER 110 V - 60 Hz** - for 35200

**CALIBRATION TO ANY IV SET BRAND**  
Please send 5 samples of your pump use IV set.  
Delivery in 40 days



IV clamp included

Colour LCD

English and Italian manual

Automatic setup system (flow rate, time, delivery volume)

CE 1639

Numerical silicone key pads

TECHNICAL SPECIFICATIONS		
<b>Flow volume setting range</b> 0.1~1000 ml/h (1 ml infusion interval) 0.1~999.9 ml/h (0.1 ml infusion interval)	<b>Bolus</b> 1~1000 ml/h adjustable	DC 12 / 24V - 2A Switchable at 110V / 60Hz - with adapter 35204
<b>Flow volume error margin</b> ±5%	<b>Alarm features</b> Air in line, occlusion, flow error (free flow), door open, K.V.O. (Infusion completion), standby, low battery, alarm, device malfunction (CPU error), empty container (with optional drop sensor)	<b>Maximum power consumption</b> 40VA
<b>Infusion limit volume range</b> 1~9999 ml	<b>Special features</b> Keypad lock, retain memory, remaining time, alarm repeat, open system, K.V.O., purge, bolus, occ. level, history call-back.	<b>Electric protection levels</b> Class II B, inner source device, CF type
<b>Total estimated volume range</b> 1~9999 ml	<b>Power</b> AC 230V, 50/60Hz and DC9.6V inner source adapter	<b>Waterproof level</b> IPX3
<b>K.V.O rate (Keep Vein Open)</b> 0.1 ml/h ~ 10 ml/h adjustable		<b>Battery type</b> Ni-Mh rechargeable
<b>Pump method</b> Peristaltic method		<b>Battery using time</b> 4 hrs (when infusing 125 ml/h)
<b>Size (WxDxH)</b> 100x190x250 mm		<b>Battery recharging time</b> Minimum 6 hours.
<b>Weight</b> 3.5 kg (battery included)		<b>Battery life</b> approx 6 months
<b>Rapid flow volume (Purge)</b> 1-1000 ml/h adjustable		

# AUTO SYRINGE PUMP

## • 35205 SYRINGE PUMP SP-8800

Easy syringe installing through one-touch method by slider hook, simple and easy setup process with its numerical silicon keypad. ColourLCD displays infusion information shortcut key manages easy approach for frequent functions. K.V.O. rate, purge rate, bolus and anti bolus can be setup as operating application. Supplied with battery.

### Flexible flow volume setting.

**Full program dosage feature (optional):** it automatically calculates flow rate by patient's weight, injection's mass and melting.

**Keep Vein Open (K. V. O.) feature:** When reached to the preset value, it converts to low flow speed of 0.1 ml/h automatically to prevent flow route clog due to blood coagulation.

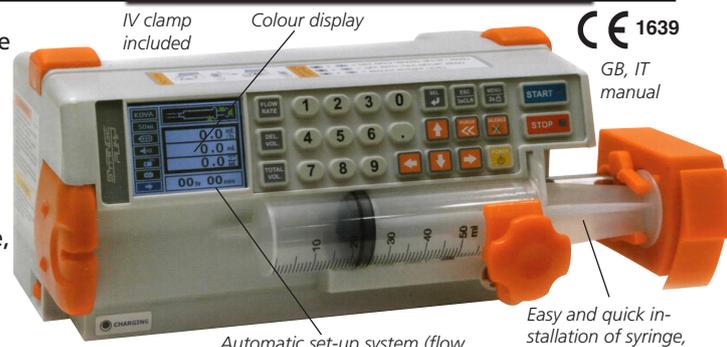
**Standard compatibility with 5 major brands of syringes\*:** Setting feature enables you to choose from following syringe brands: BD

(Plastipak, Precise), TERUMO, RAYS, PENTAFERTE, KOVA. Each pump can be calibrated for up to 10 different syringes. Alarm and notification feature: it notifies errors and emergencies with LED light and buzzer.

Simultaneous visual and audio alarm. Occlusion error range setting: you can set the pressure level of occlusion stage to High, Medium and Low by patient's age condition. Suitable also for VET use.

- **35210 Ni-MH BATTERY** - spare
- **35211 DOSAGE AND PROFILE PROGRAM** need Serial Number
- **23873 BD PLASTIPAK SYRINGES 30 ml LL** - box of 60 - BD 301229
- **23874 BD PLASTIPAK SYRINGES 50 ml LL** - box of 60 - BD 300865
- **35204 ADAPTER 110 V - 60 Hz** - for 35205

**CALIBRATION TO ANY SYRINGE BRAND**  
Please send 5 samples of your syringe.  
Delivery in 60 days



IV clamp included

Colour display

Automatic set-up system (flow rate, time, delivery volume)

Easy and quick installation of syringe, just in five seconds

CE 1639

GB, IT manual

TECHNICAL SPECIFICATIONS		
<b>Flow volume setting range</b> Syringe 10ml: 0.1-300 ml/h Syringe 20ml: 0.1-400 ml/h Syringe 30ml: 0.1-500 ml/h Syringe 50ml: 0.1-1,200 ml/h	<b>Rapid flow volume(Purge)</b> 0.1~1200 ml/h adjustable	<b>Power</b> AC 230V, 50/60Hz and DC9.6V inner source adapter DC 12 / 24V - 2A Switchable at 110V / 60Hz - with adapter 35204
<b>Flow volume error margin</b> ±2%	<b>Bolus:</b> adjustable 0.1~1200 ml/h 0.1~1000 ml	<b>Maximum power consumption</b> 45VA
<b>Infusion limit volume range</b> 0.1~999.9ml (0.1 ml infusion interval)	<b>Alarm features</b> Occlusion, K.V.O. (infusion completion), standby, near empty, low battery, device malfunction (CPU error), clamp/handle lever/slider disengaged, syringe disengaged.	<b>Electric protection levels</b> Class II B, inner source device, CF type
<b>Total estimated volume range</b> 0.1~999.9ml (0.1ml infusion interval)	<b>Special features</b> Keypad lock, shortcut key, retain memory, remaining time, alarm repeat, open system, K.V.O., purge, bolus, anti bolus, occ. level, history call-back.	<b>Waterproof level</b> IPX3
<b>K.V.O rate (Vein maintaing function)</b> 0.1-10 ml/h adjustable		<b>Battery type</b> Ni-MH rechargeable
<b>Size</b> 220x130x108 mm		<b>Battery using time</b> 4 hours
<b>Weight</b> 2 kg (battery included)		<b>Battery recharging time</b> Minimum 6 hrs.
		<b>Battery life</b> about 6 months.



\*Calibration suitable for syringes 10/20/30/50 ml. We can calibrate our pumps for other syringe brands, please provide minimum 5 samples. Availability in 60 days.