



# Syringe Pump



IP 21  
Single channel



IP 22  
Double channels

# iP 21 iP 22 Syringe Pump



- Features:**
- Unique technology of calibration for compatible with syringe sets of any brand;
  - Three work modes: rate mode, time mode and weight mode;
  - More safety for syringe pump will not start when the plunger is incorrectly located;
  - Identify the specifications of syringe automatically;
  - 8 hours build-in battery life in high capacity;
  - Three levels of occlusion pressure;
  - Three levels of alarm volume;
  - Broad range in delivery rate;
  - Bolus function.

**Specifications:**

Compatible Syringes: 10ml, 20ml ( 30ml) and 50ml ( 60ml) of any standard  
 Accuracy:  $\pm 2\%$  with correct calibration

Delivery Rate Range: 50ml (60ml): 0.1ml/h—1800ml/hr ( 0.1ml/hr step)  
 20ml (30ml): 0.1ml/h—800ml/hr ( 0.1ml/hr step)  
 10ml: 0.1ml/h—400ml/hr ( 0.1ml/hr step)

Time Mode: SOL.VOL.: 0.1— 999.9ml ( 0.1ml step)  
 Running Time: 1—1999min (1min step)

Body Weight Mode: SOL.VOL.: 0.1--999.9ml ( 0.1ml step)  
 Drug Mass: 0.1-- 999.9mg ( 0.1mg step)  
 Dose: 0.01--99.99 $\mu$ g/kg/min ( 0.01 $\mu$ g/kg/min step)  
 0.01--99.99mg/kg/h ( 0.01mg/kg/hr step)  
 Weight: 0.1--300kg ( 0.1kg the least step)

Volume Limit Range: 0—1999.9ml ( 0.1 ml step)  
 KVO Rate: 1ml/h

Alarms: Near empty, Syringe empty, Volume complete , Occlusion,  
 Syringe loose, Operation errors, Low battery and Device failures

Bolus Rate: 10ml:10—300 ml/hr, 20ml (30ml):10—600ml/hr,  
 50ml(60ml):10—1200ml/hr

Bolus Volume: 25ml Maximum

Interface: RS- 232

Power Requirement: AC:100 to 240V10%, 50/60Hz  
 DC: 11.1V/2000mAh recharged battery Li-ion battery,  
 supporting 8 hours of continuous operation

Safety Level: Class I , Type BF

Dimension: 280mm×160mm×130mm(iP-21),  
 300mm×240mm×250mm(iP-22)

Weight: 2.5kg(iP-21), 3.8kg(iP-22)

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