

SUNFUSION SERIES SYRINGE PUMP

medsurge 
technics for life

BYOND 比扬

Pioneer in Life Science



SUNFUSION SERIES SYRINGE PUMP

Syringe pump BYZ-810 series

Features of Single Channel Syringe Pump

- HD LCD Display, high capacity words, friendly user interface, dynamically display working status;
- Audible and visual alarm for occlusion, empty, near empty, low battery, end of infusion, syringe loose, wrong setting, etc.;
- Compatible with 5ml, 10ml, 20ml, 30ml, 50/60ml syringe of any brands;
- Preset solution volume to greatly reduce the workload of nurses;
- Three working modes: Rate mode, Time Volume mode, Dosage Weight mode;
- Three levels of occlusion: high, medium and low;
- Purge and Bolus function;
- KVO (keep-vein-open) automatically opens as injection is completed, KVO rate is 0.1-5ml/h(0.1ml/h step);
- Freely Stackable: freely stack one syringe pump onto another to provide multiple solutions, which have a wide range of clinical applications;
- Power Source: AC100---240V, 50/60Hz; Internal Battery, DC12V car charge;
- One-key operation makes setup easy and simple;
- Syringe plunger grabble detector, operable with one hand in a No-Germ Environment;
- Automatically record the settings of last injection;
- OEM is available.

Specification of Single Channel Syringe Pump

Unique Human Voice Alarm system

The device triggered the human voice prompt and stop injection automatically when there is any malfunction, making the infusion process safer and more reliable.

Rate:
 50/60ml Syringe: 0.1 ml/h ~ 999.9ml/h (0.1 ml/h step)
 1,000ml/h ~ 1,500ml/h (1 ml/h step)
 30ml Syringe: 0.1 ml/h ~ 900.0ml/h (0.1 ml/h step)
 20ml Syringe: 0.1 ml/h ~ 600.0ml/h (0.1 ml/h step)
 10ml Syringe: 0.1 ml/h ~ 300.0ml/h (0.1 ml/h step)

Flow Rate Accuracy Within $\pm 3\%$ (after correct calibration)

Mechanical precision Within $\pm 2\%$

Bolus Rate
 50/60ml Syringe: 1,200ml/h
 30 ml Syringe: 720ml/h
 20 ml Syringe: 480ml/h
 10 ml Syringe: 240ml/h

Purge Rate
 50/60ml Syringe: 1,500ml/h
 30ml Syringe: 900ml/h
 20ml Syringe: 600ml/h
 10ml Syringe: 300ml/h

Volume Limit 0.1ml ~ 9999.9ml (0.1ml step)

Total Injection Volume 0.1ml ~ 9999.9ml (0.1ml step)

Occlusion of Single Channel Syringe Pump

High: 800mmHg ±200mmHg
(106.7kPa±26.7kPa)
Medium: 50/600mmHg ±100mmHg
(66.7kPa±13.3kPa)
Low: 300mmHg ±100mmHg
(40.7kPa±13.3kPa)

Alarms

Injection soon finish, end of injection,occlusion, improperly installation of syringe, wrong setting, low battery, syringe loose etc.

Power Source

AC 100V ~ 240V, 50/60Hz; Internal rechargeable Li battery, capacity≥1,600mAh, 4 hours internal battery backup

KVO rate

1ml/h

Fuse

F1AL/250/60V, 2pcs inside

Power Consumption

30VA

IP Classification

IPX4

Equipment Classification

Class II, internal power supply, Type CF

Operating Condition

Ambient temperature: +5°C~ +40°C

Relative humidity

20 ~ 90%

Transport & Storage Condition

Ambient temperature:-30°C~ +55°C

Relative humidity

≤95%

Dimension

280mm (L) ×210mm(W) ×130mm(H)

Weight

2.2kg (net weight)



MEDSURGE HEALTHCARE LIMITED
MUSEUM HILL CENTRE, MUSEUM ROAD
P.O. BOX 75534 00200
NAIROBI, KENYA
Tel: 0720 714 337
Email: info@medsurgehealth.co.ke
Web: www.medsurgehealth.co.ke