

STERNMED®



SPN 58 Syringe pump



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SPN 58

Syringe pump

The SPN 58 is a one channel drive syringe pump with LCD screen. It is easy to learn and operate with its clear user interface. It's ease of handling and quality make it popular worldwide.



POWERFUL FEATURES

- Body weight mode input
- Automatically calibrate syringe
- Automatically identify syringe size
- 3-level occlusion alarm limits
- Automatically reduce impact dose release after occlusion
- Delivered volume inquiry
- KVO flow rate(0.1ml/h ~5.0mL/h adjustable)
- Multi-direction clamp for either horizontal or vertical fixation
- Operation error prompt
- Fast rate control
- “Purge” button activate safe protection
- Flow rate setting button lock
- Abundant optic and sound alarm
- AC and internal power indication
- Standard RS232 interface
- 2000 history records

TECHNICAL SPECIFICATIONS

SPN 58 | SternMed Syringe pump

Syringes	10, 20, 30, 50 mL of calibrated syringes
Flow rate	0.1~1500 mL/h (specified value 0.1 999.9 mL/h, 0.1 mL/h step) 50 mL syringe (specified value 1000 mL/h or above, 1mL/h step) 0.1~900 mL/h (0.1 mL/h step) 30 mL syringe 0.1~600 mL/h (0.1 mL/h step) 20 mL syringe 0.1~400 mL/h (0.1 mL/h step) 10 mL syringe
Purge rate	5.0ml/h ~1500ml/h 50mL syringe 5.0ml/h ~900.0ml/h 30mL syringe 5.0ml/h ~600.0ml/h 20mL syringe 5.0ml/h ~400.0ml/h 10mL syringe
Accuracy of flow rate (Nominal value)	Accuracy including syringe: within +2% Mechanical accuracy: within +1%
Display range of volume delivered	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000~9999 mL, 1mL step)
Setting of delivery limit	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000~9999 mL, 1mL step)
Occlusion detection pressure	'H': 800±200 mmHg (106.7±26.7 kPa) or 1.09±0.27 kgf/cm2 'C': 500±100 mmHg (66.7±13.3 kPa) or 0.68±0.13 kgf/cm2 'L': 300±100 mmHg (40.7±13.3 kPa) or 0.41±0.0.13 kgf/cm2
Alarms	'Occlusion', 'Nearly empty', 'Finish', 'Syringe dislocated' 'Plunger/Clutch disengaged', 'Battery low', 'Battery exhausted', 'Power cable disconnected', 'Flow rate over limit', 'Volume over limit', System error'. 'Non-operation time over'
Power	AC100+200V ± 10%, 50~60 Hz ± 1 Hz Inner NiMH battery: DC12V Continuous operation time of battery :over 6 hours for one channel when battery is recharged for 12 hours, at flow rate of 5 mL/h.
Operation conditions	Ambient temperature: 5 to 40 °C, Relative humidity: 20% to 80%
Storage conditions	Ambient temperature: -20 to 55 °C, Relative Humidity: <95%
Electric shock protection/class	Class and internal power supply: Type CF, Continuous operation
Water proof level	IPX4
Weight	2.25kg (with clamp base)
Dimension	306mm (Width) x135mm (Height) x 127mm (Depth)

ALARMS

- Occlusion
- Syringe empty
- Finish
- Syringe dislocated
- Plunger/Clutch disengaged
- Battery low
- Battery exhausted
- Power cable disconnected
- Flow rate over limit
- Volume over limit
- System error
- Non-operation time over
- Shoulder Support padded
- Foot-rest padded
- Radial Accessory clamp
- Accessory clamp
- Infusion Stand
- Instrument tray
- Drain pan



STERNMED[®]

SternMed GmbH
Schubertstrasse 31
88214 Ravensburg - Germany

Tel: +49 751 35 978 0
Fax: +49 751 35 978 105

email@sternmed.de

Rev. V. 1.03

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