

LSP-01

Syringe Pump



Stackable



IP44 Rate



Rapid Start
& Delivery



Touchscreen



Wide Syringe
Compatibility

Smart Drug Library

Built-in drug list with DERS helps reduce manual input errors and enhances clinical safety.

Precise & Protected Infusion

$\pm 1.8\%$ flow accuracy with anti-bolus, automatic pressure release, and KVO — ensuring smooth and safe drug delivery throughout the process.

Wide Flow Range

Delivers from 0.01 to 2300 mL/h — versatile for everything from micro-infusions to rapid bolus.

Large Data Memory

Stores up to 5,000 infusion and alarm records — simplifying reviews, audits, and traceability.

Specifications

Operation & Display	
Display	2.8" color touchscreen With brightness control, night mode and auto lock supported
Hard Keys	Alarm Mute, Bolus, Start/Stop, Main Menu, Power On/Off
Patient Info Setup	Supported
Infusion Performance	
Pusher Type	Manual
Infusion Modes	Rate, Weight, Dose Time, Time Optional: Micro-dose
Syringe Sizes	1ml (optional), 2 mL, 3 mL, 5 mL, 10 mL, 20 mL, 30 mL, 50/60 mL Automatic detection of syringe size and proper fixing
Syringe Brands	Preloaded with common syringe brands; users can add custom brands as needed
Flow Rate Range	1 mL: 0.01–50 mL/h; 2/3 mL: 0.01–150 mL/h; 5 mL: 0.01–300 mL/h; 10 mL: 0.01–800 mL/h; 20 mL: 0.01–1200 mL/h; 30 mL: 0.01–1500 mL/h; 50/60 mL: 0.01–2300 mL/h
Accuracy	– Flow rate: $\leq \pm 1.8\%$ or ± 0.005 mL/h (whichever is greater) – Bolus dose: $\leq \pm 2\%$ or ± 0.05 mL (whichever is greater)
Purge/Bolus Volume:	0.1 to full syringe capacity (1–50 mL)
Preset Volume	0.01 - 9999.99 mL
KVO Rate	0.1 – 5.0 mL/h
Occlusion Pressure	75-1050 mmHg, adjustable in 14 levels
Max. Pump Pressure	≤ 200 kPa
Safety & Protection	
Drug Library	Basic version with DERS
Safety	Anti-bolus, Automatic pressure release, KVO
Alarm Messages	– Power-related: Low battery, Battery empty, No battery, No power adaptor – Syringe-related: Syringe detached, Syringe near empty, Syringe empty, No syringe, Incompatible syringe – Infusion process: VTBI near end, Infusion complete, Occlusion, Reminder, KVO running, KVO complete – System/Connectivity: System error, Network disconnected (if applicable), Connection failed (if applicable)
History Records	Up to 5,000 entries
IP Rating	IP44
Connectivity & Power	
USB Port	Date upgrade & export
Power Supply	– AC 100–240 V, 50/60 Hz – Adaptor output: DC 9 V / 3 A
Battery	Lithium-ion, DC 7.2 V, 2600 mAh Battery runtime ≥ 7 hours @ 7 mL/h (new fully charged battery, until low-battery alert)
Weight	≤ 1.6 kg (with battery, without accessories)
Dimensions	270 × 155 × 76 mm