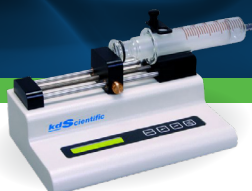


# KD Scientific KDS 100 Legacy Syringe Pump

## Single Syringe Infusion

Cole-Parmer®



The KDS 100 Legacy infusion syringe pump combines precision with simplicity to deliver an accurate amount of fluid every time. The simple menu-driven setup makes inputting parameters quick and easy, including syringe size from the built-in syringe size table, dispensing volume, and dispensing flow rate. Volume and flow rate units ( $\mu\text{L/hr}$  or  $\text{mL/hr}$ ) are selected automatically based on syringe size. View dispensing volume on the easy-to-read backlit LCD. The pump automatically shuts off at completion. The last setting is stored in permanent memory for your convenience.

This pump accommodates a single syringe from 10  $\mu\text{L}$  to 60 mL. Pumps are designed to hold glass or plastic syringes.



Scan the QR code for more information  
on syringe pumps.

### APPLICATIONS

- Perfect for electrospinning, mass spec calibration, dosing, and microfluidics
- Ideal for general-purpose, laboratory, and single-use applications

### FEATURES/BENEFITS

- Infusion-only mode for versatile dispensing of small volumes
- Quickly set flow rate, volume dispense, and syringe selection parameters using menu-driven setup
- Precise flow control with less than  $\pm 1\%$  accuracy
- Free technical application support available to assist with selection

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China	86.21.5109.9909
India	+1.800.266.1244

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All others	+1.847.549.7600

Cole-Parmer®  
coleparmer.com

\*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

## Specification and Ordering Table

Item Number	Syringe Size	Flow Rate	Step Rate	Syringe Travel Rate	Accuracy	Connections	Operating Temperature	Power
<a href="#">51005-10</a>	10 µL to 60 mL	0.1 µL/hr to 426 mL/hr	30 sec/µstep to 2.5 msec/µstep	0.10583 µm/min to 12.7 mm/min	<±1%	None	4 to 40 °C (40 to 104 °F)	100–120V, 50/60 Hz
<a href="#">51005-11</a>								200–240V, 50/60 Hz

## Flow Rates

Syringe Capacity	Syringe Diameter (mm)	Flow Rate
10 µL	0.46	0.1 µL/hr to 126 µL/hr
25 µL	0.73	0.1 µL/hr to 318 µL/hr
50 µL	1.03	0.2 µL/hr to 625 µL/hr
100 µL	1.46	1 µL/hr to 1274 µL/hr
250 µL	2.3	2 µL/hr to 3164 µL/hr
500 µL	3.26	3 µL/hr to 6359 µL/hr
1 mL	4.61	0.01 mL/hr to 13.2 mL/hr
2.5 mL	7.28	0.02 mL/hr to 31.7 mL/hr
3 mL	8.99	0.02 mL/hr to 44.9 mL/hr
5 mL	10.3	0.03 mL/hr to 87 mL/hr
10 mL	14.57	0.1 mL/hr to 125 mL/hr
20 mL	19.58	0.1 mL/hr to 219 mL/hr
30 mL	22.7	0.1 mL/hr to 282 mL/hr
60 mL	28.6	0.2 mL/hr to 426 mL/hr