KDS120



Push-Pull Syringe Pump

This pump provides simultaneous infusion and withdrawal at the same rate with opposing syringes on the same drive screw.

Features

- Holds two syringes 10 μl ul to 10 ml each
- Simple menu-driven setup:
 - o select syringe size from displayed table
 - o set dispense volume
 - o set dispense flow rate
- Easy to read bright, backlight display
- Dispense volume displayed and has automatic shutoff at completion
- Volume and flow rate units (µl/hr or ml/hr) are selected automatically based on syringe size
- Last settings stored in permanent memory
- Button release of drive nut for easy syringe installation
- Choice of run / stop after a power interruption

Specifications		
Pump Type:	• Infusion	
Max. No. of Syringes	• One	
Syringe Size	• 10 µl to 10 ml	
Dimensions	• 9 x 6 x 5 in. • 23 x 15 x 14 cm	
Weight	• 4.5 lb (2 kg)	
Linear Force	• 20 lb (9 kg) min.	
Advance Per Microstep	• 0.529 micron (1/2 step)	
Max Step Rate (1/2 Step)	• 400 steps/sec	
Min Step Rate	• 1 step / 3 sec.	
Accuracy	• .± < 1%	
Reproducability	• ± 0.1%	
Audible Alarm	• (Optional) **	

Flow Rates

Syringe	Minimum	Maximum
10 ml	0.1 ml/h	126 ml/h
25 ml	0.001 ml /h	0.884 ml/h
50 ml	0.2 ml/h	625 ml/h
100 ml	1.0 ml /h	1274 ml/h
250 ml	2.0 ml/h	3164 ml/h
500 ml	3.0 ml /h	6359 ml/h
1 ml	0.01 ml/h	13.2 ml/h
2.5 ml	0.02 ml/h	31.7 ml/h
3 ml	0.03 ml/h	44.9 ml/h
5 ml	0.03 ml/h	87.0 ml/h
10 ml	0.1 ml/h	125 ml/h