

The KDS210 offers you more advanced features than any other infusion / withdrawal pump in its price range -- including five operating modes plus independent rate and volume settings for both infusion and withdrawal.

Features

- Holds two syringes, 10 μl to 140 ml each
- Backlit LCD display
- Knob locks/unlocks drive block for effortless, drag-free adjustment
- Simple menu-driven setup:
 - o select syringe size from displayed table
 - o dispense volume
 - o dispense flow rate
- Continuous dispense volume display
- · Preset volume control and automatic shut-off
- Settings can be reviewed or changed during operation
- Stall detection
- Choice of unit selection
- Last settings stored in permanent memory
- Built-in RS232C interface for computer "daisy chaining" up to 100 pumps
- TTL interface for foot switch, timer, relay control, outputs for run indicator, valve control
- Independent rate and volume settings for infusion and withdrawal
- Multiple mode selection:
 - o Infusion
 - Withdrawal
 - o Infusion then withdrawal
 - o Withdrawal then infusion
 - o Continuous cycle
- Optional multi-step keypad programmable feature (KDS210P)

Specifications		
Pump Type:	• Infusion	
Max. No. of Syringes	• Two	
Syringe Size	• 10 µl to 140 ml	
Dimensions	 11 x 9 x 5.5 in. 28 x 23 x 1414 cm 	
Weight	• 9 lb (4 kg)	
Linear Force	• 40 lb (18 kg)	
Advance Per Microstep	• 0.165 micron (1/16 step)	
Max Step Rate (1/2 Step)	• 1600/sec	
Min Step Rate	• 1 step / 30 sec.	
Accuracy	• ± < 1%	
Reproducability	• ± 0.1%	
Audible Alarm	• (Optional) **	

Syringe	Minimum	Maximum
10 mi	0.001 ml/ h	22.98 ml/min
25 mi	0.001 mi/h	60.68 m/ min
50 mi	0.001 ml/ h	105.8 ml/min
100 mi	0.001 mi / h	212.6 m/min
250 mi	0.001 m/ h	527.6 m/min
500 mi	0.001 mi / h	1.06 ml/min
1 ml	0.001 ml/ h	2.203 ml/min
3 ml	0.001 ml/ h	7.36 ml/min
5 ml	0.001 ml/ h	14.33 ml/min
10 ml	0.001 mi / h	20.91 ml/min
20 ml	0.001 mi/ h	36.19 ml/min
30 ml	0.001 mi / h	46.49 ml/min
60 ml	0.001 m/ h	70.57 ml/min

0.001 **ml/**h

147 ml/min

140 ml

Flow Rates