

KDS100



A basic single syringe, infusion pump which combines precision with simplicity.

Features

- Single syringe 10 μ l to 60 ml, any manufacturer
- Simple menu-driven setup:
 - select syringe size from displayed table
 - set dispense volume
 - set dispense flow rate
- Easy to read bright, backlight display
- Dispense volume displayed and has automatic shutoff at completion
- Volume and flow rate units (μ l/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		Flow Rates																																															
Pump Type:	<ul style="list-style-type: none"> • Infusion 	<table border="1"> <thead> <tr> <th>Syringe</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>10 ml</td> <td>0.1 ml/h</td> <td>126 ml/h</td> </tr> <tr> <td>25 ml</td> <td>0.2 ml /h</td> <td>318 ml/h</td> </tr> <tr> <td>50 ml</td> <td>0.2 ml/h</td> <td>625 ml/h</td> </tr> <tr> <td>100 ml</td> <td>1.0 ml /h</td> <td>1274 ml/h</td> </tr> <tr> <td>250 ml</td> <td>2.0 ml/h</td> <td>3164 ml/h</td> </tr> <tr> <td>500 ml</td> <td>3.0 ml /h</td> <td>6359 ml/h</td> </tr> <tr> <td>1 ml</td> <td>0.01 ml/h</td> <td>13.2 ml/h</td> </tr> <tr> <td>2.5 ml</td> <td>0.02 ml/h</td> <td>31.7 ml/h</td> </tr> <tr> <td>3 ml</td> <td>0.03 ml/h</td> <td>44.9 ml/h</td> </tr> <tr> <td>5 ml</td> <td>0.03 ml/h</td> <td>87.0 ml/h</td> </tr> <tr> <td>10 ml</td> <td>0.1 ml/h</td> <td>125 ml/h</td> </tr> <tr> <td>20 ml</td> <td>0.1 ml/h</td> <td>219 ml/h</td> </tr> <tr> <td>30 ml</td> <td>0.1 ml/h</td> <td>282 ml/h</td> </tr> <tr> <td>60 ml</td> <td>0.2 ml/h</td> <td>426 ml/h</td> </tr> </tbody> </table>			Syringe	Minimum	Maximum	10 ml	0.1 ml/h	126 ml/h	25 ml	0.2 ml /h	318 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	20 ml	0.1 ml/h	219 ml/h	30 ml	0.1 ml/h	282 ml/h	60 ml	0.2 ml/h	426 ml/h
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Max. No. of Syringes	<ul style="list-style-type: none"> • One 																																																
Syringe Size	<ul style="list-style-type: none"> • 10 µl to 60 ml 																																																
Dimensions	<ul style="list-style-type: none"> • 9 x 6 x 5 in. • 23 x 15 x 14 cm 																																																
Weight	<ul style="list-style-type: none"> • 4.5 lb (2 kg) 																																																
Linear Force	<ul style="list-style-type: none"> • 20 lb (9 kg) min. 																																																
Advance Per Microstep	<ul style="list-style-type: none"> • 0.529 micron (1/2 step) 																																																
Max Step Rate (1/2 Step)	<ul style="list-style-type: none"> • 400 steps/sec 																																																
Min Step Rate	<ul style="list-style-type: none"> • 1 step / 3 sec. 																																																
Accuracy	<ul style="list-style-type: none"> • .± < 1% 																																																
Reproducibility	<ul style="list-style-type: none"> • ± 0.1% 																																																
Audible Alarm	<ul style="list-style-type: none"> • (Optional) ** 																																																