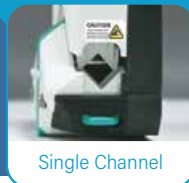


Flow Controller Systems

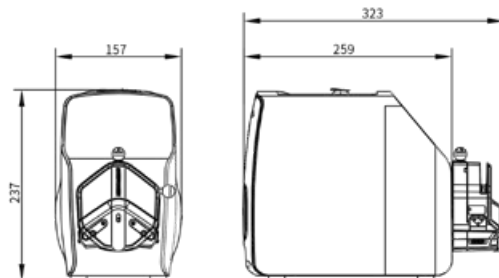


FCS KA-DISP Dispensing Pump



Product Features

Touch screen control. Mechanical keypad controls pump start, stop, full speed, and direction. Dynamic display transferring status. Flow rate data, setting parameters and system configuration display in the same screen. 3 kinds of working mode: fixed volume metering, fixed time and volume, timer start and stop, meet different transferring and dispensing requests. Intelligent calibration function and online micro adjusting function.



Product Composition & Flow Rate Range EasyPump I / III, Single Channel

Tubing	ID x Wall (mm)	mL/r	Flow Rate (mL/min) (LabV3-III, 0.1-350 rpm)	Max Pressure (Mpa)		Weight (kg)
				Intermittent	Continuous	
13 [#]	0.8 x 1.6	0.053	0.0053~32	0.27	0.17	0.6
14 [#]	1.6 x 1.6	0.27	0.027~162	0.27	0.17	
19 [#]	2.4 x 1.6	0.55	0.055~330	0.27	0.17	
16 [#]	3.1 x 1.6	0.933	0.093~560	0.27	0.17	
25 [#]	4.8 x 1.6	1.967	0.197~1180	0.24	0.14	
17 [#]	6.4 x 1.6	3.333	0.333~2000	0.14	0.10	
18 [#]	7.9 x 1.6	4.3	0.430~2580	0.10	0.07	

Product Composition & Flow Rate Range EasyPump I / III, Single Channel

Tubing	ID x Wall (mm)	mL/r	Flow Rate (mL/min) (0.1-350 rpm)	Max Pressure (Mpa)		Weight (kg)
				Intermittent	Continuous	
15 [#]	4.8 x 2.4	1.8	0.180~1080	0.27	0.17	0.6
24 [#]	6.4 x 2.4	2.733	0.273~1640	0.27	0.17	
35 [#]	7.9 x 2.4	3.833	0.383~2300	0.24	0.14	
36 [#]	9.6 x 2.4	5.167	0.517~3100	0.24	0.14	

Product Composition & Flow Rate Range EasyPump V / VI, Dual Channel

Tubing	ID x Wall (mm)	mL/r	Flow Rate (mL/min) (0.1-350 rpm)	Max Pressure (Mpa)		Weight (kg)
				Intermittent	Continuous	
13 [#]	0.8 x 1.6	0.0053	0.0053~32	0.27	0.17	0.6
14 [#]	1.6 x 1.6	0.27	0.027~162	0.27	0.17	
19 [#]	2.4 x 1.6	0.55	0.055~330	0.27	0.17	
16 [#]	3.1 x 1.6	0.933	0.093~560	0.27	0.17	
25 [#]	4.8 x 1.6	1.967	0.197~1180	0.24	0.14	

Technical Specifications

Speed range	0.1-600 rpm
Speed resolution	0.01 rpm
Flow rate resolution	0.01 mL
Flow rate accuracy	< ±0.5%
Back suction angle	0-360°
Motor type	Closed-loop stepper motor
Display (color)	Industrial-grade 4.3" LCD
Control method	Touch screen & mechanical keypad
Keypad lifetime	300,000 times
External speed control signal	0-5V, 0-10V, 4-20mA for option
Start/stop, direction signal	Passive switch signal, such as foot pedal switch. Active switch signal: 5V-24V
Communication interface	RS232, RS485 support MODBUS protocol (RTU mode)
Output interface	Output motor working status (Open-Collector output)
Power supply	AC220V±10% 50/60Hz (standard) AC110V±10% 50/60Hz (optional)
Drive dimension	259 x 157 x 237 mm
Weight	4.40 Kg
Power consumption	< 80W
Condition temp	0-40°C
Relative humidity	< 80%

