

Cole-Parmer® Touch-Screen Syringe Pumps

Intuitive programming and control

- Control flow rates from 5 µL/min to 220 mL/min via touch-screen display
- Save space by positioning pump on side—display rotates automatically
- Daisy chain up to 99 pumps with built-in RS-485 connectivity
- Accepts any type of syringe

Model 74905-50 is an infuse only syringe pump. It accommodates up to two syringes. Flow rates are defined by the user and operation is based on a selectable target volume or time values to control the total infusion volume.

Model 74905-52 is an infuse/withdraw syringe pump. The pump accommodates up to two syringes. The unit will operate in the following modes: infuse only, withdraw only, infuse then withdraw, withdraw then infuse, and continuous. One program can be stored.

Model 74905-54 is a programmable version of the 74905-52 pump. It is programmed to accept up to 800 user-defined steps—up to 40 programs with 20 steps each can be stored in memory.

Model 74905-56 is a push/pull syringe pump. The pump accommodates up to two syringes for infusion and two syringes for withdrawal. This pump is designed to support infusion and



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withdrawal simultaneously at the user-defined flow rates. The unit operates in the following modes: infuse only, withdraw only, infuse then withdraw, withdraw then infuse, and continuous.

Model 74905-58 is a programmable version of the 74905-56 pump. It is programmed to accept up to 800 user-defined steps—up to 40 programs with 20 steps each can be stored into memory.



Specifications

Accuracy: ±0.355%
Reproducibility: ±0.05%

Syringe sizes accepted: 0.5 µL to 140 mL
Linear force: 75 lb (34 kg)

Output: RS-232, RS-485, USB,
15 pin D-sub connector

Description	Flow rate per syringe	Power (VAC, Hz)	Catalog number	Price
Infusion	5 µL/min to 220.97 mL/min	100 to 240, 50/60	GH-74905-50	
Infusion/withdrawal			GH-74905-52	
Infusion/withdrawal programmable			GH-74905-54	
Push/pull			GH-74905-56	
Push/pull programmable			GH-74905-58	

Cole-Parmer® Entry-Level Touch-Screen Syringe Pumps

Get more done simultaneously

- Accommodate two syringes for infusion and two syringes for withdrawal at the same time
- Control flow rates from 0.58 µL/min to 88.28 mL/min via full-color touch screen
- Daisy chain up to 99 pumps together with the built-in RS-485 connectivity
- Accept syringes from 0.5 µL to 60 mL

These pumps feature a continuous push and pull (infusion/withdrawal) pump. When used with check valves, the pump will draw fluid from a reservoir while opposite side is dispensing fluid. After dispensing the user-settable volume, the pump automatically switches direction and dispenses from the other side while the just-consumed side is being refilled.

Pump can be placed on its side to provide a smaller footprint with the display automatically rotating.



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Specifications

Accuracy: ±0.5%
Reproducibility: ±0.05%
Linear force: 75 lb (34 kg)

Output: RS-232, RS-485, USB,
15 pin D-sub connector
Power: 100 to 240 VAC, 50/60 Hz



Number of syringes	Syringe sizes accepted	Flow rate per syringe	Catalog number	Price
Infusion only pumps				
1	0.5 µL to 60 mL	1.28 pL/min to 88.28 mL/min	GH-74905-02	
2	0.5 µL to 10 mL		GH-74905-06	
Infusion/withdrawal programmable pumps				
1	0.5 µL to 60 mL	1.28 pL/min to 88.28 mL/min	GH-74905-04	
2	0.5 µL to 10 mL	1.28 pL/min to 88.28 mL/min	GH-74905-08	
2	0.5 µL to 10 mL	0.58 pL/min to 11.70 mL/min	GH-74905-12	
1	0.5 µL to 1000 µL	3.66 µL/min 363 µL/min	GH-74905-34	