

◀◀◀ Laboratory Syringe Pump

Programmable Syringe Pump



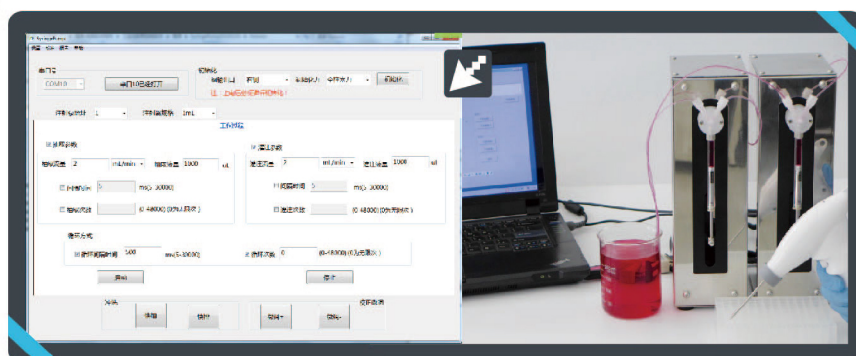
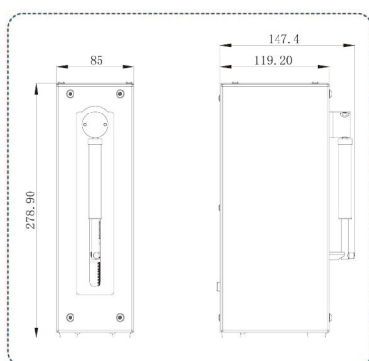
Model No.

ASD60

Introduction

ASD60 Dilutor & Dispenser system is a programmable precision liquid handling device. Linear speed range: 0.01mm/s-60mm/s. Controlled by computer or microcontroller, replace the traditional operation of diluting and dispensing. Widely used in blood, chemistry, food and environment analysis.

Dimension Drawing (Unit: mm)



Technical Specifications

Accuracy	Error $\leq \pm 0.1\%$ (stroke $\geq 30\%$ maximum stroke)	Syringe material	Barrel material: Borosilicate glass
Plunger drive	Stepper motor driven lead screw with optical encoder for step loss detection and home flag		Plunger rod material: Stainless steel
			Plunger seal material: PTFE
Max. stroke(Steps)	60mm (6000 steps or 48000 steps)	Power supply	DC24V $\pm 10\%$ /2.0A(Peak value)
Linear speed range	0.01mm/s-60mm/s	Communication interface	RS232/RS485
Run time per stroke	1.25s-100min	Baud rate	9600 or 38400
Speed resolution	0.01mm/s	Addressing	UP to 15 individual addresses available(BCD switch)
Stroke resolution	0.01mm or 0.00125mm	Input	Two TTL level signal inputs, for restart the paused instruct
Valve switch time	≤ 250 ms between adjacent ports		Three TTL level signal outputs, for synchronous external devices
Valves type	Electromagnetic valve	Output	
Tubing fittings	1/4"-28 or M6	Condition temperature	15°C-40°C
Syringe fittings	1/4"-28	Storage temperature	-20°C -65°C
Syringes	50 μ L, 100 μ L, 250 μ L, 500 μ L, 1.0mL, 2.5mL, 5.0m, 10mL, 25mL	Dimension(mm)	147.4*85*278.9mm
		Weight	3.25kg
Max. pressure	0.68Mpa		