

## Industrial Syringe Pump



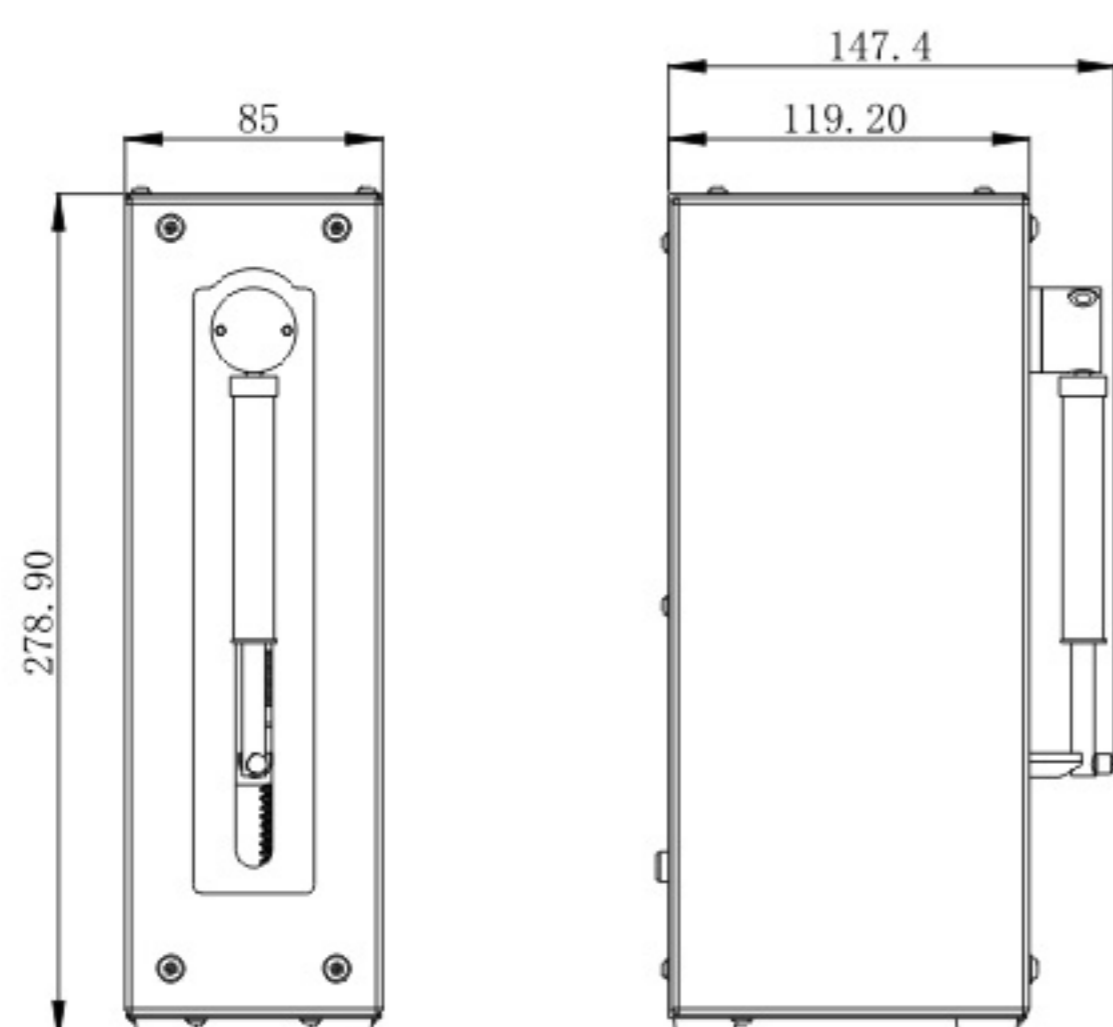
### Product Introduction

ASD60 Dilutor & Dispenser system is a programmable precision liquid handling device. Flow rate range: 0.000312–1250mL/min. Controlled by computer or microcontroller, replace the traditional operation of diluting and dispensing. Widely used in blood, chemistry, food and environment analysis.

### Model Number

| ASD60

### Dimension Drawing (Unit: mm)



### Technical Specifications

Precision	Repetition error $\leq 0.05\%$ CV at full stroke (500uL syringe and above), (DI water at room temperature)	Valves type	3-port 120° (Standard)
Accuracy	Error $\leq 0.5\%$ at full stroke (DI water at room temperature)	Tubing fittings	1/4– 28" or M6
Plunger drive	Stepper motor driven lead screw with optical encoder for step loss detection and home flag	Syringe fittings	1/4 – 28"
Plunger travel	60 mm(6000 steps or 48000 steps)	Power requirements	24 VDC $\pm 10\%$ /2.0 A (peak)
Flow rate range	0.000312–1250mL/min	Communication interface	RS232, RS485
Run time per stroke	1.2 seconds–160 minutes	Baud rate	9600 or 38400 (RS232 and RS485)
Speed resolution	0.01mm or 0.00125mm	Addressing	Up to 15 individual addresses available (DIP switch)
Syringes	Sizes 50uL, 100uL, 250uL, 500uL, 1.0mL, 2.5mL, 5.0mL, 10mL, 25mL	Input	Two inputs with 4.7k pull-ups, 5V HCMOS. For restart the paused instruct
Valve switch time	$\leq 250$ ms between adjacent ports	Output	Three outputs, 5V HCMOS, For synchronous external devices
		Operating temperature	15°C–40°C
		Operating humidity	20–80 % RH at 40°C
		Storage temperature	–20°C–65°C

