

ZS100

PRODUCT DESCRIPTION

Laboratory Syringe Pump



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Laboratory Syringe Pump

Applied to instrument sample liquid transmission, titration solution mixing, high voltage electrostatic Precise control of fluids for spinning, biological laboratory research, etc.

Applicable syringe: 10 μ L-60mL

Flow range :0.001 μ L/min-82.6130mL/min



ZS100

ZS100 is a high-precision syringe pump that supports multiple working modes. It adopts a 4.3-inch color touch LCD screen, which is convenient and quick to set parameters. Multiple indicator lights clearly confirm its working status, and it supports a variety of syringe options. It is suitable for different experimental flow rates. Requirements, high-precision control, and hardware and software protection mechanisms and alarm mechanisms. It supports four working modes, such as injection and extraction. Single-channel, dual-channel and multi-channel (4, 6, 8, 10) are available for selection.

Multi-channel option

Integrated single/dual channel, multi-channel option, suitable for high-precision transmission of small flow.

Tectonic upgrade

Newly upgraded operating structure, more stable start and stop, and more accurate fluid volume.

Multiple function operation

RS485 communication function, syringe protection function, user data storage function, liquid volume calibration function, etc.



Wide adaptability

Can be loaded with syringes of different specifications (custom), with wider adaptability.

Flexible application

The structure is exquisitely designed, and the pressure plate and the fixed plate are adjustable.more flexible.

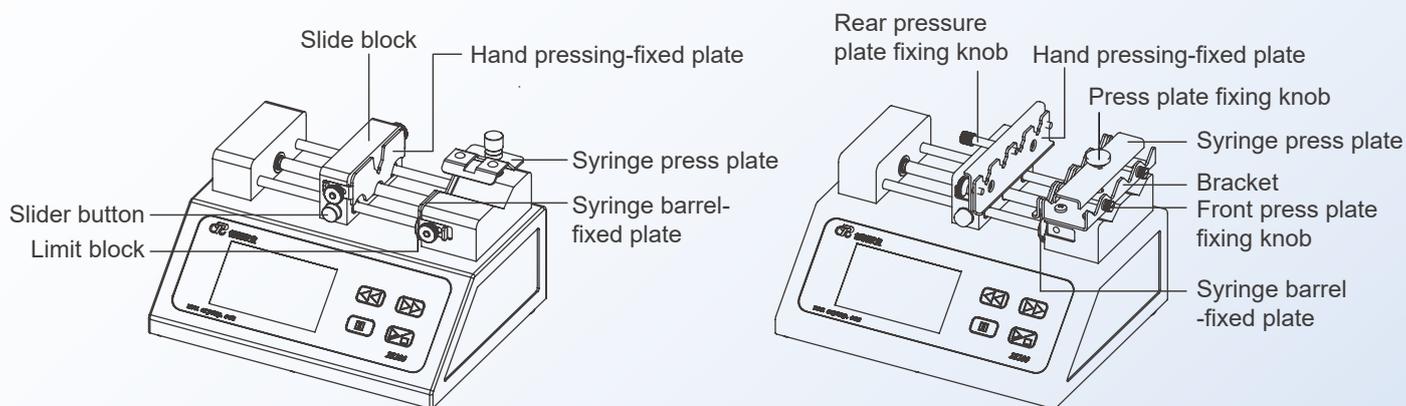
Precise fixing

Single/dual channel pressure plate is fixed with rubber bodySyringe, multi-channel pressure plate with rubber soft edgeDesigned to handle fragile syringes such as glass.

Technical parameter

Syringe Pump Model	ZS100-1/ZS100-2	ZS100-4	ZS100-10
Channels	1/2 can be customized	4	10 (6/8 can be customized)
Flow range	0.001 μ L/min-82.6130mL/min	0.001 μ L/min-20.8223mL/min	0.001 μ L/min-20.8223mL/min
Applicable syringe type	10 μ L-60mL	10 μ L-10mL	10 μ L-10mL
Syringe User Settings	Can save 10 sets of custom syringe data, ID, solvent (customized)		
Distance per microstep	0.0235736 μ m		
Maximum line speed	120mm/min		
Minimum line speed	6.1 μ m/min		
Operating mode	Injection, extraction, injection extraction, extraction injection		
Linear thrust	0-100% adjustable		
Maximum pace	85333 (1/128step) 30sec		
Minimum pace	256 (1/128step) 30sec		
Control precision	When >30% of full stroke, control error $\leq \pm 0.3\%$		
How to set	Touch screen + common function keys		
Display method	4.3-inch color LCD display		
Voltage range	AC100V-240V		
Ambient temperature	0-40 $^{\circ}$ C		
Weight	4kg		
Size	260x204x143	260x210x160	260x210x160

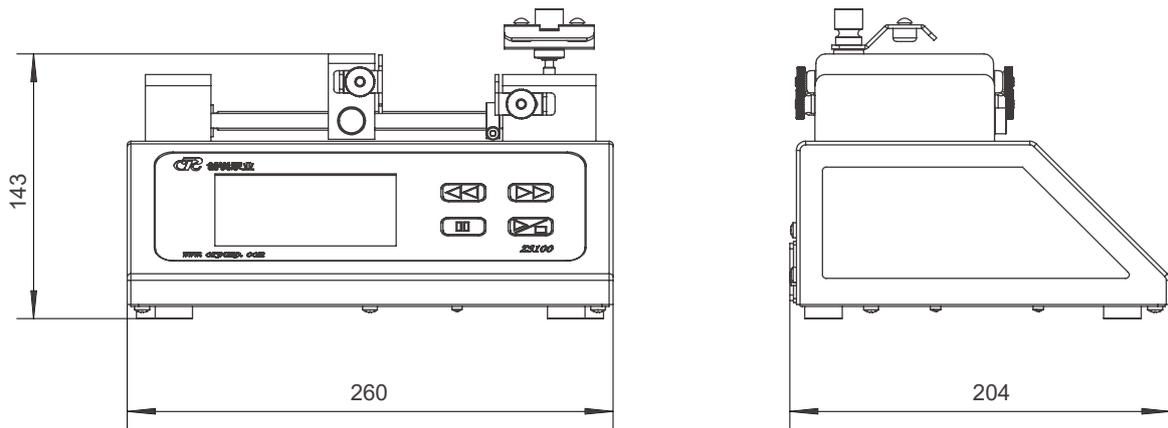
Schematic diagram of structure and function



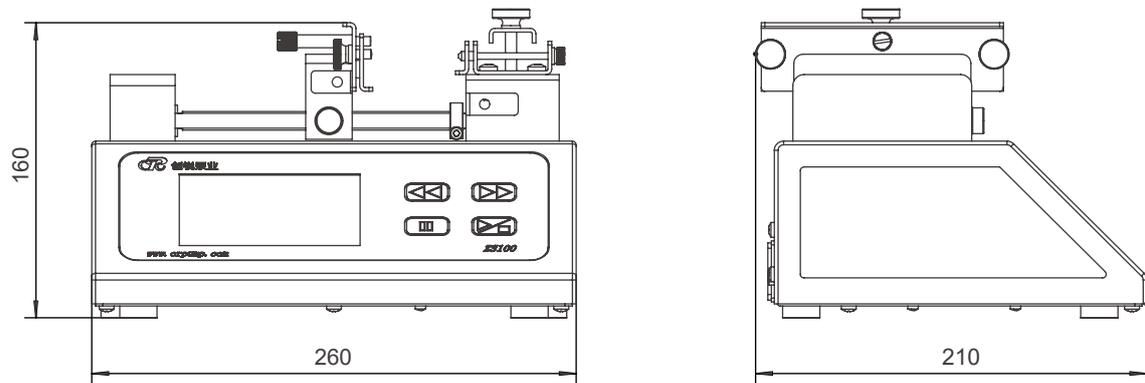
- Single/dual channel installation structure

- Multi-channel installation structure

Dimensions(mm)



- Single/dual channel dimension diagram



- Multi-channel dimension diagram

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