

ESD $\geq$ Level IV
(IEC 61000-4-2)
Excellent EMC performance



Instruments that work !

INSTRUMENTS AND CONSUMABLES FOR
RESEARCH ON NEUROSCIENCE,
PHARMACOLOGY AND PHYSIOLOGY IN
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NEW

Mainly used in Lab applications.

Excellent EMC performance, ESD $\geq$ Level IV (IEC 61000-4-2)



Specifications	Model	
Work mode	Infusion	Infusion, withdrawal, infusion/withdrawal, withdrawal/infusion, continuous
Channel	1	2
Stroke of pump		140mm
Pusher advance per microstep		0.156 μ m
Linear speed	5 μ m/min-65mm/min	5 μ m/min-130mm/min(Flow rate=Linear speed * Section area of the barrel)
Linear speed resolution		5 μ m/min
Linear travel accuracy	$\leq \pm 0.5\%$ when travel $\geq 30\%$ of pump stroke	
Linear force(max.)	> 90N	> 180N
Syringe selection	Built-in syringe branches, sizes and IDs for selection	
Syringe user-defined	Can store four user-defined syringe IDs	
Flow rate calibration	Improve flow rate accuracy	
Running parameters setting	Infusion volume, infusion time, etc	Infusion/Withdrawal volume, infusion time, withdrawal time, pause time, etc
Display setting	Display volume, flow rate or linear speed	
Power-off memory	Storing the running parameters automatically	
status signal output	2 output signals (OC gate signal) to indicate start/stop and direction	
Control signal input	Falling edge or TTL signal to control Start/stop	
Communication interface	RS485	
Dimensions (L $\times$ W $\times$ H)	280 $\times$ 210 $\times$ 140 (mm)	280 $\times$ 250 $\times$ 140 (mm)
Weight	3.6kg	4.3kg
Power supply	AC 196V-240V/20W	AC 196V-240V/40W
Operating temperature	0 to 40 $^{\circ}$ C	
Relative humidity	< 80%	

Controller Model (Product Code)		Flow Rate(μ L/min - mL/min)	
Syringe	Syringe ID(mm)		
10 μ L	0.50	0.001-0.0128	0.001-0.0255
25 μ L	0.80	0.0025-0.0327	0.0025-0.0653
50 μ L	1.10	0.0048-0.0618	0.0048-0.1235
100 μ L	1.60	0.0101-0.1307	0.0101-0.2614
250 μ L	2.30	0.0208-0.2701	0.0208-0.5401
500 μ L	3.25	0.0415-0.5392	0.0415-1.0784
1mL	4.72	0.0875-1.1373	0.0875-2.2747
2mL	9.00	0.3181-4.1351	0.3181-8.2702
5mL	13.10	0.6739-8.7608	0.6739-17.522
10mL	16.60	1.0821-14.068	1.0821-28.135
20mL	19.00	1.4176-18.429	1.4176-36.859
30mL	23.00	2.0774-27.006	2.0774-54.012
60mL	29.14	3.3346-43.349	3.3346-86.699