

Fusion 4000 - Data Sheet



The Fusion 4000 programmable syringe pump comes with a dual drive system that allows two independent pumping channels to be controlled for simultaneous infusion and withdrawal at same/different flows.

TECHNICAL SPECIFICATIONS

MODE	Infuse/Withdraw
MINIMUM FLOW RATE	1.6 $\mu\text{L}/\text{min}$ (with 0.5 μL syringe)
MAXIMUM FLOW RATE	150 mL/min (with 60 mL syringe)
LINEAR FORCE	65lb (29kg)
SYRINGE SIZE (MIN/MAX)	0.5 μL to 60 mL
STEP RESOLUTION	0.0293 $\mu\text{m}/\text{step}$
OPERATIONAL TEMPERATURE	4°C to 40°C (40°F to 104°F)
STORAGE TEMPERATURE	-10°C to 70°C (14°F to 158°F)
ACCURACY	$\pm <0.35\%$
REPRODUCIBILITY	$\pm <0.05\%$
CONNECTIVITY	USB-B, RS232 and TTL Ports
POWER	110/220 VAC
MOTOR DRIVE	0.9° Stepper Motor with Micro-stepping

SELECT APPLICATIONS

- Micro/Nanofluidics
- Animal Infusion
- Neuroscience
- Mass Spectrometry Infusion
- Electrospinning
- Reagent Dispensing
- Microdialysis
- Stem Cell Injections
- Reactor Feeding

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