

Fusion 200 Data Sheet



The Chemyx Fusion 200 high precision infuse and withdraw syringe pumps has a broad range of applications. This system supports both simple runs and variable, multi-step and rate profiles, along with a multi-syringe rack accessory.

TECHNICAL SPECIFICATIONS

MODE	Infuse & Withdraw
MINIMUM FLOW RATE	0.0001 $\mu\text{L}/\text{min}$ (with 0.5 μL syringe)
MAXIMUM FLOW RATE	85 mL/min (with 50mL syringe)
LINEAR FORCE	50lb (23kg)
SYRINGE SIZE (MIN/MAX)	0.5 μL to 60 ml syringe
STEP RESOLUTION	0.046 $\mu\text{m}/\text{step}$
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	$\pm < 0.5\%$
CONNECTIVITY	USB-B, RS232 and TTL Ports
POWER	110/220VAC
MULTI STEPS	program steps up to 99 step / loop steps up to 99 loop
PARAMETER SETTING	option to choose time or rate
MODULAR CAPABILITY	10-Channel Syringe Rack
MOTOR DRIVE	1.8° Stepper Motor with Micro-stepping
DIMENSIONS	9.5 x 6.8 x 4.7 inches (24 x 17 x 12 cm)
WEIGHT	7lbs (3kg)