

Fusion 100 Data Sheet



The Fusion 100 high-precision infusion pump has a broad range of applications and supports both simple runs and variable, multi-step volume and rate profiles.

TECHNICAL SPECIFICATIONS

MODE	Infuse Only
MINIMUM FLOW RATE	0.0001 $\mu\text{L}/\text{min}$ (with 0.5 μL syringe)
MAXIMUM FLOW RATE	128 mL/min (with 60mL syringe)
LINEAR FORCE	35lb (15.9kg)
SYRINGE SIZE (MIN/MAX)	0.5 μL to 60 mL syringe
STEP RESOLUTION	0.098 $\mu\text{m}/\text{step}$
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
MULTI STEPS	program steps up to 99 step / loop steps up to 99 loop
PARAMETER SETTING	option to choose time or rate
SCREEN SIZE / TYPE	4.3 inch LCD Touch Screen
DIMENSIONS	9.5 x 6.8 x 4.4 inches (24 x 17 x 11 cm)
MOTOR DRIVE	1.8° Stepper Motor with Micro-stepping
WEIGHT	7lbs (3kg)