

# 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

<b>MODE</b>	Infuse Only
<b>MINIMUM FLOW RATE</b>	0.0001 $\mu\text{L}/\text{min}$ (with 0.5 $\mu\text{L}$ syringe)
<b>MAXIMUM FLOW RATE</b>	128 mL/min (with 60 mL syringe)
<b>LINEAR FORCE</b>	35lb (15.9kg)
<b>SYRINGE SIZE (MIN/MAX)</b>	0.5 $\mu\text{L}$ to 60mL
<b>STEP RESOLUTION</b>	0.098 $\mu\text{m}/\text{step}$
<b>OPERATIONAL TEMPERATURE</b>	4°C to 40°C (40°F to 104°F)
<b>STORAGE TEMPERATURE</b>	-10°C to 70°C (14°F to 158°F)
<b>ACCURACY</b>	$\pm <0.35\%$
<b>REPRODUCIBILITY</b>	$\pm <0.05\%$
<b>CONNECTIVITY</b>	USB-B, RS232 and TTL Ports
<b>POWER</b>	110/220 VAC

### **i** SELECT APPLICATIONS

- Microfluidics
- Animal Infusion
- Neuroscience
- Mass Spectrometry Infusion
- Electrospinning
- Reagent Dispensing
- Microdialysis
- Stem Cell Injections
- Reactor Feeding

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