

PeriWave Microfluidic Pump



- Precise, accurate flow rate control
- Nanoliter resolution
- Pulse-free
- Superior performance to syringe pumps and traditional peristaltic pumps
- Forward and reverse flow modes
- Unlimited fluid reservoir volume
- Programmable fluid delivery controlled with user-friendly software
- Ability to multiplex two or more pumps

Flow Specifications

	Nano	Micro	Milli	Milli +5
Flow Rate Range	±0–8000 nL/min	±0–120 µL/min	±0–1100 µL/min	±0–5.0 mL/min
Standard Calibrated Flow Rate Range	±90–7000 nL/min	±1–80 µL/min	±30–1000 µL/min	±0.2–5.0 mL/min
Accuracy below full scale (% of full scale)*	0.3%	0.15%	0.2%	0.2%
Repeatability below full scale	0.05%	0.01%	0.02%	0.02%
Flow Detection Response Time	40 msec			
Flow Rate Stability	Down to 0.1% CV**			
Operating Temperature	10 to 50°C (50 to 120°F)			
Fluid Connector Type	UNF Taper 6-40	UNF ¼-28 Flat Bottom	UNF ¼-28 Flat Bottom	UNF ¼-28 Flat Bottom
Flow Sensor Inner Diameter	150 µm (0.006 in)	430 µm (0.017 in)	1.0 mm (0.04 in)	1.8 mm (0.07 in)

* % of scale, or 5% of measured value (whichever value is larger)

**Relative to fluid type, tubing and system set-up

Dimensions

Width	12.7 cm (5.0 in)
Height	18.4 cm (7.3 in)
Depth	22.9 cm (9.0 in)