



# IPS-21 Peristaltic Pump

Multi-channel peristaltic pump for precise and reliable fluid transfer

- Multiple-Channel Operation
- Accurate, Pulse-Free Flow
- Chemical-Resistant Construction

### FLOW RATE

SPEED RANGE	0.1-100 RPM
SPEED RESOLUTION	0.1 RPM
FLOW RATE	Up to 36 mL/min (for ID:3mm tube)
FLOW CALIBRATION MODE	Available

### MOTOR SPECIFICATIONS

MOTOR TYPE	Stepper Motor
CONTROL SYSTEM	Microprocessor-based controller
DIRECTION	Reversible (forward/reverse)
OPERATION MODES	Continuous / Timed / Volume-based
LEARN & REPEAT MODE	Available
RECIPE SAVE & RECALL	Available
FAST-RUN MODE	Available

### CONSTRUCTION & MATERIALS

PUMP HEAD HOUSING	POM-White
ROLLERS	304 Stainless steel
BODY MATERIAL	Powder-coated steel
CHEMICAL RESISTANCE	Heat, solvent, corrosion, and flame resistant
CARTRIDGE TYPE	Ratchet type
CHANNEL NUMBER	6 Max
TUBING SIZE	ID ≤ 3.17 mm (0.8-1.0 mm wall thickness)

### OPERATING CONDITIONS

OPERATING TEMPERATURE	0-40 (°C)
OPERATING HUMIDITY	< 80 % RH (non-condensed)
STORAGE HUMIDITY	-10 – 60 °C

### TUBING SIZE

Model	Tube	ID*wall thickness	Max speed	Max flow
DG (6)	0.5*0.8	0.5*0.8	100rpm	2ml/min
	1*1	1*1	100rpm	6ml/min
	2*1	2*1	100rpm	19ml/min
	2.4*0.8	2.4*0.8	100rpm	24ml/min
	3*1	3*1	100rpm	36ml/min

- Multi-channel operation (up to 6 channels)
- 4.3" Color TFT Touchscreen Interface
- Microprocessor software for automated control
- Adjustable flow rate during process
- Learn & Repeat Mode and Recipe Save & Recall
- Reversible flow for quick cleaning