

# SOTEC Digital Constant Transfer Peristaltic Pump

**Medical Peristaltic Pump** has excellent repeatability as medical peristaltic pumps, as a **transfer Peristaltic Pump**, it can match various pump heads, to realize different pump head and drive combinations.

The **transfer peristaltic pumps** will not touch the liquid, ensuring the pollution-free operation, and the low shear force will not damage the carrier cells. it is an ideal tool for aggressive fluids.

The Medical Peristaltic Pump has a good self-priming ability, can be idling, can prevent backflow, has no valves and seals, and is simple to maintain.

## Features:

- Storage function, external control function, power off memory, calibration function, full speed function, Suckback function.
- multiple external control mode selection: support RS485 / MODBUS communication protocol, analog control (0-5V0-10V 4-20mA...) foot switch control, provide customized communication protocol services.
- data will be stored in time after power off. When power supply is restored, the pump can remember the parameter Settings before power off, which is more safe and reliable.
- one button to control full speed operation, used for quick cleaning, filling and emptying tubes, etc
- the pump can be customized after the shutdown reverse operation speed and Angle, To keep the liquid from dripping.
- 4-LED display.
- Flexible control mode: key and external control mode, convenient for users to choose to use.



## Specification :

Drive model	FX-100N	FX-300N	FX-600N
Speed range	0.1-100rpm (reversible)	0.1-300rpm (reversible)	0.1-600rpm (reversible)
speed resolution	0.1rpm		
Flow range	0.0015-380ml/min	0.007-1140ml/min	0.007-2280ml/min
Filling Accuracy	<±0.5%		
Flow calibration	Yes		
Control Method	Rotary encoded knob		
Display Mode	4-LED display		
Suckback speed	10-100rpm	10-300rpm	
Power supply	AC220V±10%(standard) or AC110V±10%(optional)		
Power consumption	<22W	<35W	<50W
Environment Temperature	0~40°C		
Relatively Humidity	<80%, No condensation		
Drive size	234×154×143 (mm)		254×184×150 (mm)
Drive weight	5.15kg	5.15kg	5.8kg
Motor type	Stepper motor		
IP grade	IP31		
Working mode	Transmission mode		
Speed status signal output	0-10kHz linear corresponds to 0-600rpm (Max speed)		
Rev. Stop status signal output	switching value signal output		
Direction status signal output	switching value signal output		
External control interface	DB-15		
External control	Control Rev. Stop,Direction,Speed.-Support RS485/MODBUS communication protocol , analog quantity control (0-5V 0-10V 4-20mA ...)foot switch control		