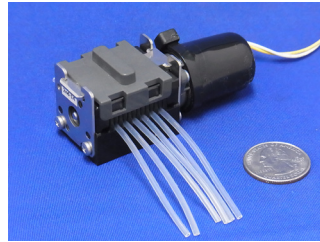


TAKASAGO FLUIDIC SYSTEMS

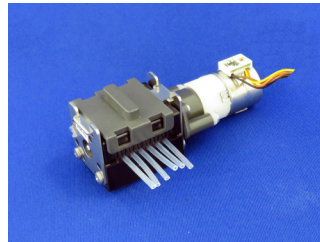
Peristaltic pump 6-channel pump

DESCRIPTION

The Takasago 6-channel pump has been designed to pump multiple fluid paths with exchangeable continuous run tubing. The pump head can be equipped with either DC or stepper motors. The removable tube extender allows easy access for quick exchanges. The 6-channel is available with an optional stepper motor controller.



DC Motor Type



Stepper Motor Type

FEATURES

- This product can deliver six separate fluids simultaneously, despite its compact size
- The tubing is easy to replace.
- A stepper motor model is also available, which can handle flow rates as small as 0.23 µl/min.
- Controller available for stepper motor type

PRECAUTIONS

- Replace silicone tubing periodically.  
As the silicone tubing wears out, the squeezing pressure decreases and the flow rate decreases. In-house tests, using water, have confirmed that there is no change in flow rate for up to 500 hours\*.  
\*This is not a guaranteed value, testing is recommended.
- Set 6 pieces of silicone tubing even if all 6 channels are not used. If the pump is used with 5 or less tubing, the squeezing pressure will not be even and the flow rate will vary.
- Make sure that the tubing retainer piece is securely fastened. If the tubing retainer piece is not tightened securely, the tubing will not be squeezed and fluid will not be pumped properly.
- Be aware of the rotating direction of the pump when setting the silicone tubing.  
The pump roller rotates counter clockwise for DC motors and clockwise for stepping motor..

SPECIFICATIONS

GENERAL

Motor	DC Motor	2-Phase Bipolar Stepper Motor
Flow Rate *1	830 µL/min	0.23 - 350 µL/min
Tubing Material	Silicone *2	
Tubing Diameter	I.D. 1.0 × O.D. 2.0 mm	
Pump Pressure	30 kPa	
Rated Voltage	3 VDC	—*3
Dimensions	31 × 84 × 32 mm	

Note:

\*1 Flow rate per tubing.

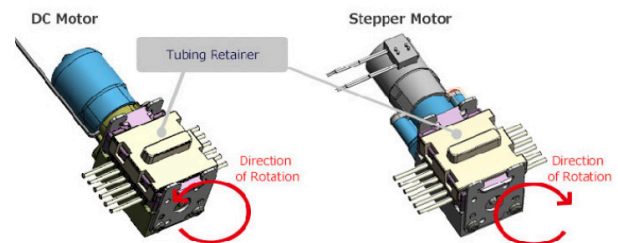
\*2 Silicone tubing is not included. Factory tested with SR1554, φ1×φ2mm (Tigers Polymer Corp.)

\*3 Stepping motor-driven products have a constant-current drive.

Controllers for stepper motor driven pumps are sold separately.

Details, including specifications, may change without notification.

DC AND STEPPING MOTOR REFERENCE:  
PUMP ROLLER ROTATION IMAGE



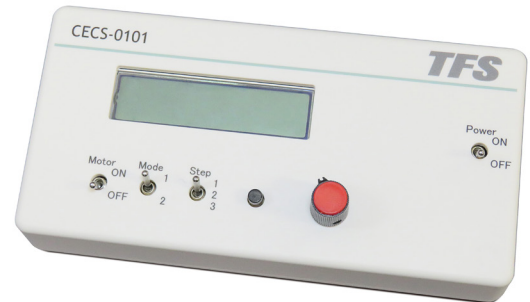
TAKASAGO FLUIDIC SYSTEMS

Peristaltic pump controller

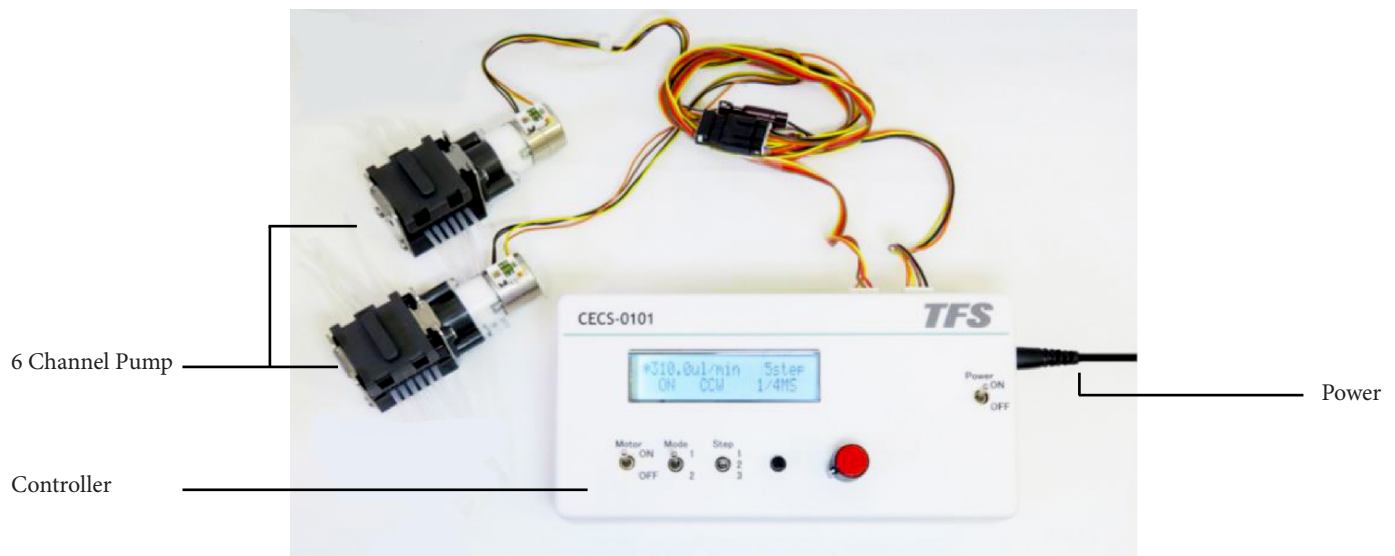
6-channel Pump Controller

FEATURES

- Controller available for 6-channel pumps (stepper motor type).
- Flow rate, direction of rotation, and microsteps can be set to control the pumps.
- (Connection up to two pumps, with simultaneous operating conditions)
- Calibration mode will allow the flow rate be calibrated from the actual measured flow rate of the pump.



EXAMPLE OF USE



\* A separate connector is required to connect the connector cable included with the controller to the 6-channel pump.

\* 6-channel pumps with connectors are also available, so please contact us for details.

Note: Details including specifications may change at any time without notification.

SPECIFICATIONS

Item	Specifications
Input Voltage	12VDC
Power Consumption	5W or less
Compatible pumps	6channelPump (stepper motor)
Number of pumps that can be connected	Maximum2Unit
Dimensions	W170.D85.5.H35.5mm
Weight	250g
Accessories	AC adapter,Connector Cable(2m)