

MP-MC

Mini Peristaltic Multi-Channel Pump

2-Channel and 4-Channel Configurations Available

The MP-MC Mini Peristaltic Multi-Channel Pump is a compact peristaltic pump with integrated stepper motor and electronic control. It is ideal for precise perfusion in space-constrained setups such as isolated organ systems, electrophysiology imaging, or other laboratory setups.

The MP-MC pumps offer smooth flow with low pulsation and flexible control options. Both can be externally controlled by an analog voltage (0-5 or 0-10V) and, when paired with our APT300 pressure transducer, TAM-D amplifier and SCP control module, allow one to perform constant pressure perfusion. The flowrate in such a setup can be calibrated and displayed on the SCP module. Turnkey setups for a variety of applications are available.

Two configurations available:

- **MP-MC2:** Two-channel configuration supporting two tubes.
- **MP-MC4:** Four-channel configuration supporting four tubes.



MP-MC4

Reliable Flow, Day after Day

- 6-roller pump head
- Low audible noise
- Ground connector for applications sensitive to electrical noise
- Adjustable speed via potentiometer on the top panel or external control 0-5V or 0-10 V
- 26 sizes of color-coded 3 stop collared pump tubing: 0.89–3.15 mm ID; wall thickness 0.8–1.0 mm (see “Compatible Tubing” table)
- Max flow: 40 mL/min, max speed: 100 RPM
- Power supply: 24VDC / 1.25A
- Compact design
- Direction and start/stop control via switches
- Universal 115/230 VAC power supply: 24VDC / 1.25A exchangeable connectors for EU, USA, China, and UK

Ordering Information

Product Description	Part Number
MP-MC2 2-Channel Mini Peristaltic Multi-Channel Pump	735360
MP-MC4 4-Channel Mini Peristaltic Multi-Channel Pump	735361

Specifications

Pump model	MP-MC2/4 Mini Peristaltic Multi-Channel Pump
Number of channels	MP-MC2: 2 MP-MC4: 4
Number of rollers	6
Flow rate range	0.004–40 mL/min (depending on tubing and medium)
Maximum RPM of pump	100 RPM
Step resolution	0.1 RPM
Tube size (inner diameter)	0.89–3.15 mm (see “Compatible Tubing” table)
Computer control	No
Analog signal input	BNC socket 0–5V or 0–10V
Power	Wide range power supply 110–230 V, 50/60 Hz, exchangeable plug adapters for EU, USA, China, and UK
Weight	2.5 kg (5.5lbs)
Dimensions	12.5 x 12.5 x 20 cm (5 x 5 x 7.8 in)

Compatible Tubing

3 Stop E-Lab Pump Tubing Part Number	Color Code	Tubing ID [mm]	Flow Rate Range* (ml/min)
731816	orange-black	0.13	0.004 - 0.2
731817	orange-red	0.19	0.0044 - 0.22
731818	orange-blue	0.25	0.008 - 0.4
731819	orange-green	0.38	0.0168 - 0.84
731820	green-yellow	0.44	0.024 - 1.2
731821	orange-yellow	0.51	0.03 - 1.5
731822	white-yellow	0.57	0.04 - 2
731823	orange-white	0.64	0.52 - 2.6
731824	black-black	0.76	0.07 - 3.5
731825	orange-orange	0.89	0.092 - 4.6
731826	white-black	0.95	0.106 - 5.3
731827	white-white	1.02	0.122 - 6.1
731828	white-red	1.09	0.136 - 6.8
731829	red-red	1.14	0.146 - 7.3
730126	red-grey	1.22	1.6 - 8
731830	grey-grey	1.3	0.176 - 8.8
731831	yellow-yellow	1.42	0.2 - 10
731832	yellow-blue	1.52	0.22 - 11
731833	blue-blue	1.65	0.246 - 12.3
731834	blue-green	1.75	0.27 - 13.5
731835	green-green	1.85	0.296 - 14.8
731836	purple-purple	2.06	0.35 - 17.5
731837	purple-black	2.29	0.42 - 21
731838	purple-orange	2.54	0.52 - 26
730155	purple-white	2.79	0.62 - 31
731839	black-white	3.17	0.8 - 40

**Per channel flow rate range using designated tubing for speeds of 2-100 RPM.*





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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.