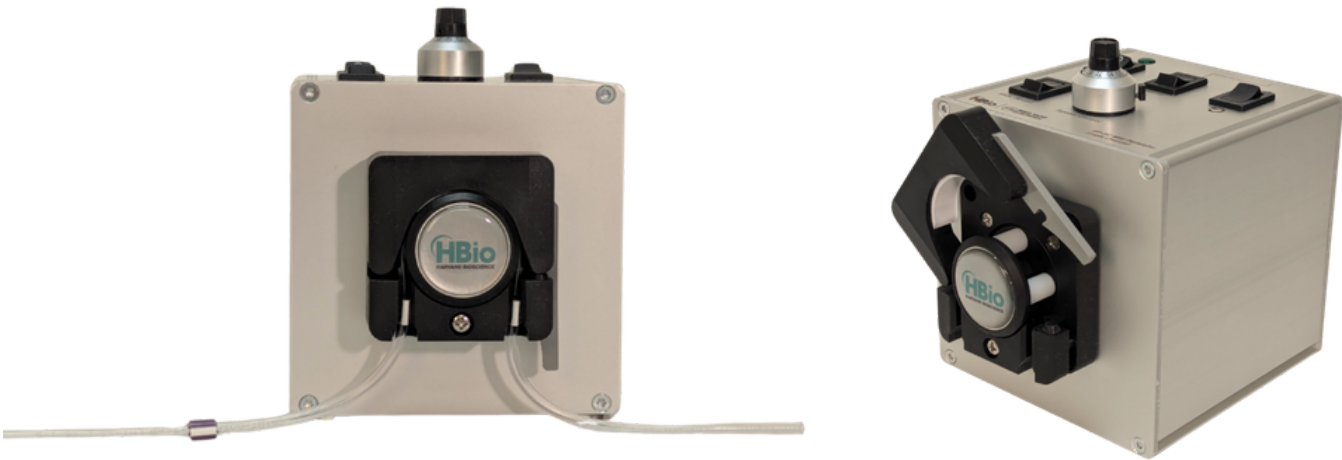


MP-SC

Mini Peristaltic Single-Channel Pump



The MP-SC Mini Peristaltic Single-Channel Pump is a compact peristaltic pump ideal for precise perfusion applications in space-constrained setups such as isolated organ systems, electrophysiology imaging setups, or other laboratory needs. The pump ensures smooth flow with low pulsation and offers flexible control options.

The MP-SC 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.

Precision Control in a Compact Form

- Compact single-channel 4-roller pump
- Multiturn speed setting dial with lock for reproducible operation
- Low-noise operation
- External analog voltage (BNC connector) speed control 0-5V or 0-10 V
- 26 sizes of color-coded 3 stop collared pump tubing: 0.89–3.15 mm ID
- Wide flow rate range of 0.04–40 mL/min
- Direction and start/stop control switches
- Ground connector for applications sensitive to electrical noise
- Universal 115/230 VAC power supply: 24VDC / 1.25A exchangeable connectors for EU, USA, China, and UK



Ordering Information

Product Description	Part Number
MP-SC Mini Peristaltic Single-Channel Pump	735356

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.

Specifications

Pump model	MP-SC Mini Peristaltic Single-Channel Pump
Number of channels	1
Number of rollers	4
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	0.8kg (1.76lbs)
Dimensions	11 x 11 x 12 cm (4.33 x 4.33 x 4.72 in)



Hugo Sachs Elektronik
Harvard Apparatus GmbH
Gruenstrasse 1
D-79232 March-Hugstetten
Germany

Sales:
sales@hugo-sachs.de

Technical Support:
support@hugo-sachs.de

Phone:
Americas: (+1) 800-272-2775
Europe, Middle East, Africa:
+49 (0) 7665/9200-0
Asia Pacific: (+86) 21-6226-0239