



Peristaltic Perfusion System

- Low- pulsation peristaltic pump
- Two independently controlled perfusion channels
- Universal application
- Easy handling
- Software or touch screen control

Low-noise peristaltic pump

Multi Channel Systems is proud to present the new peristaltic perfusion system, the perfect addition to all microelectrode array recording systems. The peristaltic pump PPS2 has one inlet and one outlet pump.

The main advantage of the PPS2 is its low pulsation. A low-pulsation construction, a brushless motor with constant rotation speed and low electromagnetic emission, and droplet isolation chambers all contribute to an overall low pulsation level.

Easy handling

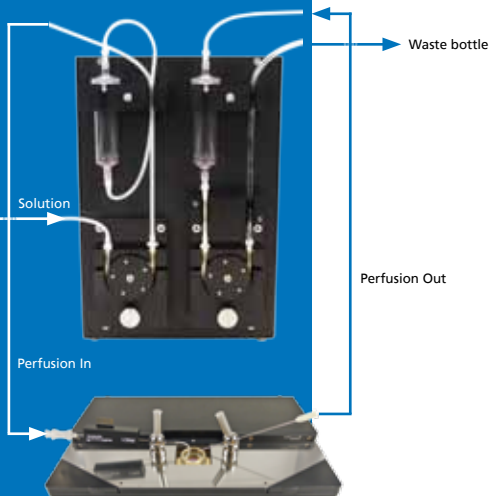
The flow rate of both pumps can be adjusted in the following ways:

- Software (included, connection via USB 2.0)
- Touch screen on the pump itself
- Additional analog input

Both pumps can be controlled independently or linked to each other. Hereby, the percentage difference can be adjusted.

The built-in tubes are specially suited for electrophysiological applications. A set of replacement tubes is included and the exchange is quick and simple.

As calibrated tubes are used, the flow volume can be adjusted directly from 0.1 to 30 ml/min with a 100 µl/min accuracy.



PPS2 in a MEA-System set up

The peristaltic perfusion pump is included with all MEA-Systems with perfusion cannula. In combination with the also included magnetic perfusion holders, you have all that is needed to start perfusion right away.

Technical specifications

Operating temperature	10 °C to 40 °C
Storage temperature	10 °C to 50 °C
Flow rate (in- and outlet)	0-30 ml/min
Supply voltage	100 to 230 VAC
Dimensions (H x W x D)	235 x 160 x 110 mm
Weight	3.45 kg
Connection to computer	USB 2.0
Operating system	Microsoft Windows® 8, 7, Vista or XP with NTFS, English and German version



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