

MPL Multi-Channel Peristaltic Pump



A 25 pin D-sub connector provides access to the external control features of the Manual/Analog pump. Through this connector the user can control pump speed and direction as well as perform start and stop functions. Pump speed can be regulated using either an external voltage (0 to 30 V) or current (0 to 30 mA) source. Additionally, pump operation and speed can be monitored through the 25 pin connector.

- Eight roller pumphead
- Very low pulsation
- Low-speed (0.1 RPM) standby mode keeps tubing lines open
- Select from 4-, 8-, 12-, and 16-channel pumps
- Both manual and manual/analog versions available
- Extension pump heads increase the number of channels (maximum up to 32 channels)

With the MPL Peristaltic Pump line, you can deliver liquids from 0.6 μ l to 22 ml/min per channel. A choice of either 4-, 8-, 12- or 16-channel models is available. The pumphead features a planetary gear drive for precise smooth flow and long tube life. The standard versions can be further expanded with an extension pump head to accommodate up to 32 channels. Select from either Manual or Manual/Analog pump versions. All functions are easily accessed using the membrane keypad.

Features

The drive features instant starting and stopping for precision fluid delivery and a time saving priming key for rapidly filling the tubes without altering the set speed of the pump. The MPL also has a low speed standby mode (0.1 RPM) to keep tubing lines open, valuable feature when working with viscous substances. The 'Auto-restart' feature allows the MPL to recover automatically from a power failure reducing setup time and the risk of inaccurately setting the pump speed. The pumphead speed is variable from 0.5 to 90 RPM, which is clearly displayed on a large LED readout for easy confirmation.

External Control

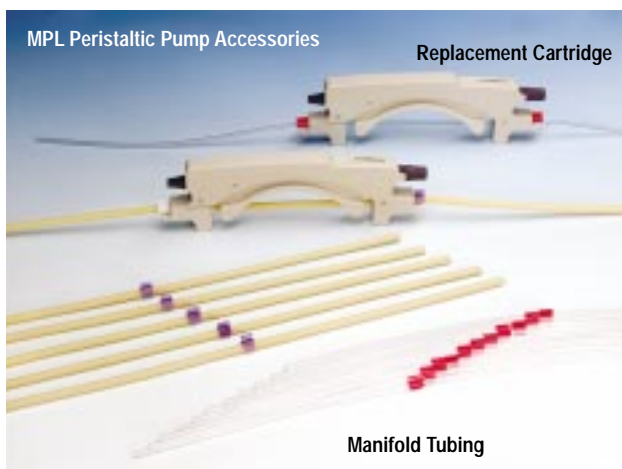
The Manual/Analog version can be controlled using an analog signal. This permits remote control of the pump when an automated experiment, such as integrating several pieces of equipment, is desired. For example, using the pump in conjunction with a pH or other controller to control fluid delivery to a reaction vessel.

Specifications

Speed Range	0.5 to 90 RPM
Voltage	110 to 120/220 to 240 VAC, 50/60 Hz (switchable)
Standards	IEC335-1, EN60529 (IP31), CE

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Manual	Manual/ Analog	Channels	Dimension, H x W x D (in)	Weight
CGS8149.63	CGS8150.63	4-Channel	15.5 x 14.7 x 29 cm (6.13 x 5.75 x 11.5 in)	6.3 kg (13.8 lb)
CGS8151.63	CGS8152.63	8-Channel	15.5 x 14.7 x 30 cm (6.13 x 5.75 x 13 in)	7.1 kg (15.6 lb)
CGS8154.63	CGS8155.63	12-Channel	15.5 x 14.7 x 38 cm (6.13 x 5.75 x 15 in)	7.9 kg (17.3 lb)
CGS8156.63	CGS8157.63	16-Channel	15.5 x 14.7 x 43 cm (6.13 x 5.75 x 17 in)	8.8 kg (19.3 lb)



Catalog No.	Product
CGS 8157.63	12-Channel Extension Head
CGS 8158.63	16-Channel Extension Head
CGS 8159.63	MPL Replacement Cartridge