

MCP Standard



Flow rates	< 0.001 - 3700 ml/min (depending on mounted pump-head)
Channels	1 - 24 (depending on mounted pump-head)
Operating panel	- 7-button membrane key-pad - LED display
Memory	4 sets of operating parameters can be stored
Operating modes	- pumping by drive speed (rpm) - pumping by flow rate (ml/min) - factory-set flow rates for all available tube sizes - dispensing by volume (ml) - dispensing by time (0.1s up to 999hrs) - dispensing by volume within a pre-set time - Interval dispensing by volume with a pause - interval dispensing by time with a pause - setting the number of dispensing cycles - pause time setting (from 0.1s up to 999hrs) - roller back-steps for drip-free dispensing - reversible rotation direction
Calibrating function	- for flow rate (ml/min) - for dispensing volume (ml)
Speed	1 - 240 rpm
Speed setting	rpm, resolution 0.1 rpm
Speed control	closed loop control for pressure independent speed
RS232 interfaces	- RS232 "in" - for operation controlling via PC - RS232 "out" - for cascading up to 8 pumps
Analog input	Speed control (0-5 or 0-1 QV / 0-20 or 4-20mA)
Analog output	Speed monitoring (0-10VDC or 0-12 kHz)
Digital input	Start/Stop, rotation direction, autostart

Differential pressure	1.5 bar (21.7 psi) possible (depending on pump-head and tubing material); small tubing diameters may allow higher pressures
Motor type	DC motor
Power consumption	100 W
Power supply	H5/230VAC;50/60Hz
Protection rating	IP 30
Depth/Width/Height	220 x 155 x 260 mm (8 2/3" x 6 1/10" x 10 %") (without pump-head)
Weight	6.4 kg (14 lb) (without pump-head)
Accessories	- foot switch