Mini Series Peristaltic Pump

LONGER
A Halma company

GM200-1A/GM200-2A/GM400-1A/GM400-2A



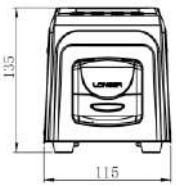
- Compact size and structure
- Speed control 20,000:1 or 40,000:1
- Continuous and timer modes for different applications
- Keypad and footswitch control for local operation
- Variety of remote control options for easy system integration
- Low-noise design
- Mounted with 4-roller pump head BPH01 for low pulsation

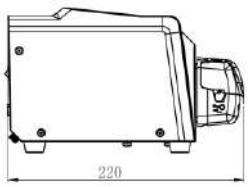
◎ Typical Applications

Cell culture
Microbial fermentation
Filtration and chromatography
Reagent titration
Sterile medicine transfer
Water treatment reagent dosing
Water treatment sample transfer
Food additive transfer

Flip-type for easier tubing loading







	GM200-1A	GM400-1A	GM200-2A	GM400-2A
Pump speed	0-200rpm	0-400rpm	0-200rpm	0-400rpm
Speed resolution	0.01 rpm (speed<10rpm);0.1rpm (10rpm≤speed<100rpm);1rpm (100rpm≤speed≤max)			
Display	LCD screen for pump speed, running direction, time, start/stop status, work mode and control mode			
Running direction	Clockwise or counter-clockwise, can be toggled during running			
Work mode	Continuous or timer mode			
Control mode	Keypad, footswitch, external signal or communication control		Keypad or footswitch control	
Keypad control	Set the parameters and control the pump via keypad: start/stop, running direction, prime status, speed adjustment, work mode, control mode, timer, communication control parameters		Set the parameters and control the pump via keypad: start/stop, running direction, prime status, speed adjustment, work mode, timer	
External control	Start/stop: switch signal, level trigger or pulse trigger Running direction control: switch signal, level trigger or pulse trigger Speed control: 4-20mA/0-5V/0-10V/0-10kHz, The valid speed range can be configured through communication commands		N/A	
Communication control	RS485 interface, Modbus RTU protocol and Longer OEM protocol		N/A	
Footswitch control	Control the start/stop via a footswitch			
Timer function	In timer mode, the pump runs and stops based on the set timer duration. Timer range: 0.1s to 999h.			
Runtime counter	In continuous mode, the pump automatically records the runtime and can accumulate the multiple operation periods (reset upon power-up). Timing range: 0.1s-999h			
Keypad lock	To prevent misoperation			
Pump status when powered up	Timer mode: stop Continuous mode: stop as default, can be set to the status before power-off via communication command		Stop	
Parameter retention	Run and system parameters are saved after power loss in both keypad control and communication control modes.			
Prime	Fast filling or emptying at full speed			
Dimensions (L*W*H)	220mm x 115mm x 135mm (including pump head)			
Power supply for adapter	AC100-240V, 50Hz-60Hz,			
Power supply for pump	DC24V/8W	DC24V/16W	DC24V/8W	DC24V/16W
Working condition	Environment temperature:0°C-40°C, relative humidity:<80%			
IP rating	IP31			
Weight	1.35kg (including pump head)			

Pump Drive Model	Pump Head Model	Speed	Roller Number	Pump Head Material	Tubing	Max Flow Rate Reference (mL/min)
GM200-1A (Product Code:05.02.03A)	BPH01 (Product Code: 05.01.73A)	≤200rpm	4	Housing: PA6+MOS2 Roller:IXEF	13#, 14#, 19#, 16#, 25#	170
GM200-2A (Product Code:05.02.03B)						
GM400-1A (Product Code:05.02.03C)		≤400rpm				340
GM400-2A (Product Code:05.02.03D)						

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