

HF-LabN1, HF-LabN3, HF-LabN6



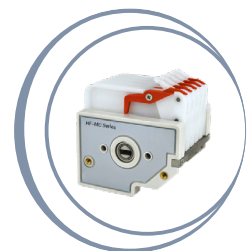
New generation Easy Load Type Pump Head



HF-YZ Series



New generation Multichannel Type Pump Head



HF-MC Series

- **Typical Application**

- Special for university laboratory and research institute.
- Ion chromatography and titrator.
- Pilot scale and industry production.

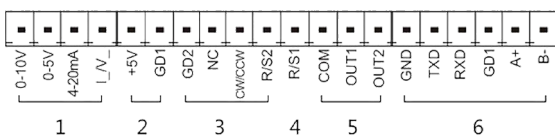
- **Product Features**

- 3.2" color LCD screen display.
- Flow rate and motor speed display in same screen.
- Timing function, time range 0.1s-9999hours, can be used for simple dispensing function.

- **Model number**

HF-LabN1, HF-LabN3, HF-LabN6

- **HFLabN Series External Control Schematic Diagram**



HF-Lab N

- Technical Specifications

Flow rate range	HF-LabN1: 0,000166~775 ml/min	Start/stop, reversing signal	Passive switch signal, such as foot pedal
	HF-LabN3: 0,000166~1808 ml/min		Active switch signal: 5V, 12V, 24V for option
	HF-LabN6: 0,000166~3100 ml/min	Communication interface	HF-RS232, HF-RS485 support
Speed resolution	0,1 rpm		Modbus protocol (RTU mode)
Back suction angle	0-360°	Output interface	Output motor working status
Testing time range	0,1 s-9999 h		(Open-Collector output)
Outlet pressure	0.8~1.0 mm wall thickness tubing: 1bar	Power supply	AC220V±10 % 50Hz/60Hz (standard) AC110V±10 % 50Hz/60Hz (optional)
	1.6~2.4mm wall thickness tubing: 1~2.7bar		
Display	3.2" high definition LCD screen	Drive dimension	261,4×157,3×236,9 mm
Control method	Knob speed and Mechanical keypad	Drive weight	4,40 kg
Keypad lifetime	300.000 times	Power consumption	<50W
External speed control signal	0-5V, 0-10V, 4-20 mA for option	Condition temperature	0-40°C
Relative humidity	<80%	IP rate	IP31

- Application



- Product Composition and Flow Rate Range

Flow Rates Peristaltic Pump		Pump head & Flow Rate (ml/min)				
		HF-YZ1515x	HF-YZ2515x	HF-MC1~HF-MC12(10)	HF-MC1~HF-MC12	
Drive&speed	Tubing	13#, 14#, 19#, 16#	15#, 24#	Inner diameter: 0.13-3.17mm 25#, 17#, 18# Wall thickness:0.8-1mm		
		25#, 17#, 18#				
	HF-LabN1	0,1-150 rpm	0,17~435	0.000166-49 (working speed≤150rpm)	0.000185≤65 working speed≤150rpm	
	HF-LabN3	0,1-350 rpm	0,17~1015			
	HF-LabN6	0,1-600 rpm	0,17~1740			
Drive&speed	Tubing	New Generation Easy Load Type Pump Head		New Generation Multichannel Type Pump Head		
		HF-EasyPump (1.60 mm wall thickness)	HF-EasyPump (2.40 mm wall thickness)	8 rollers		
		13#, 14#, 19#, 16#	15#, 24#, 35#, 36#	Inner diameter: 0.13-3.147mm 25#, 17#, 18# Wall thickness: 0.8-1mm		
		25#, 17#, 18#				
		HF-LabN1	0,1-150 rpm	0,18~775	0.0002-52 (working speed≤150rpm)	
		HF-LabN3	0,1-350 rpm	0,18~1808		
	HF-LabN6	0,1-600 rpm	0,18~3100			

- HF-LabN Series Interface and Keypad

