Dispensing Peristaltic Pump

LabF1, LabF3, LabF6

① Filling Countersunk
② Filling Nozzle
③ Foot Pedal Switch

- LabF1, LabF3, LabF6
- Medicine and chemical dispensing, such as oral liquid, diagnostic reagents.
- Cosmetic dispensing, such as perfume, lip gloss.

Suitable Pump Head

Features

- Imported 4.3'' industrial grade color LCD screen display, with touch screen control.
- Can preset dispensing volume, dispensing time, pause time and copy numbers.
- With intelligent calibration function and online micro adjusting function.
- The pump can store 60 commonly used filling modes.
- Back suction angle setting, avoid liquid drop off when the pump stops working.
- New flow rate mode, can be used for continuous transferring.
- Can communicate with balance, closed-loop control.

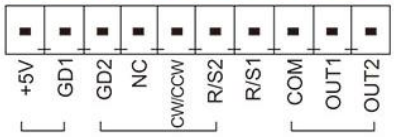
Dispensing Peristaltic Pump

F1, F3, F6

Model Number

- F1, F3, F6

External Control Schematic Diagram



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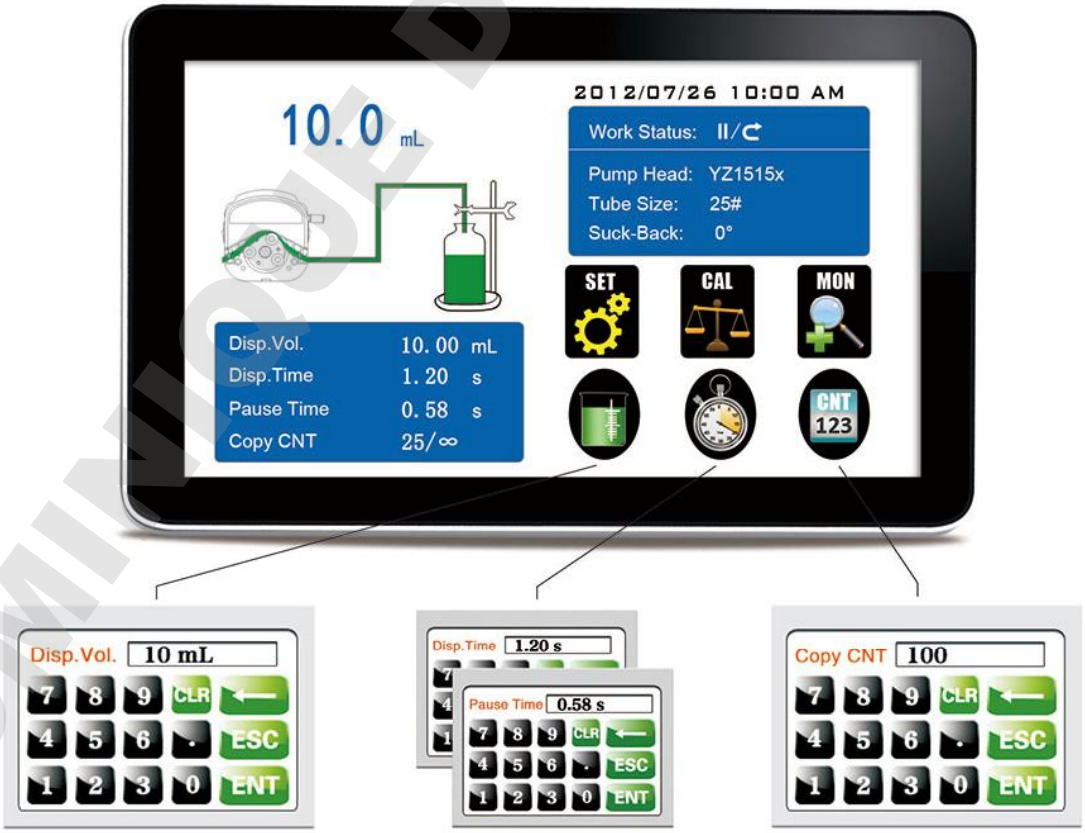
Technical Specifications

Flow rate range	LabF1/F1: 0.00166~570mL/min	Keypad lifetime	300,000 times
	LabF3/F3: 0.00166~1330mL/min	Start/stop, direction signal	Passive switch signal, such as foot pedal switch
	LabF6/F6: 0.00166~2280mL/min		Active switch signal: 5V, 12V and 24V for option
Speed range	1-600 rpm	Output interface	Output motor working status (Open-Collector output)
Speed resolution	0.01 rpm	Power supply	AC 220V±10% 50Hz/60Hz (Standard)
Dispensing volume range	0.1-9999.99 mL		AC 110V±10% 50Hz/60Hz (Optional)
Dispensing volume resolution	0.01 mL	Outlet pressure	0.1Mpa(0.86~1.0mm wall thickness tubing)
Dispensing time	0.5-9999.99 s		0.1~0.27Mpa(1.6~2.4mm wall thickness tubing)
Pause time	0.5-9999.99 s	Drive dimension (L×W×H)	LabF Series: 261.4×157.3×236.9 mm
Time resolution	0.01 s		F Series: 219.6×152×211.6mm
Copy numbers	1-9999 numbers, setting '0' means unlimited	Drive weight	LabF Series: 4.40 kg
Back suction angle	0-360°		F Series: 4.20 kg
Dispensing accuracy	<±0.5%	Power consumption	<50W
Motor type	Stepper motor	Condition temperature	0-40℃
Display	Industrial grade 4.3" color LCD display	Relative humidity	<80%
Control method	Touch screen and Mechanical keypad	IP rate	IP31

Product Composition and Flow Rate Range

Dispensing Peristaltic Pump		Pump Head & Flow Rates (mL/min)			
		YZ1515x	YZ2515x	MC1~MC12(10)	MC1~MC12(6)
Drive & speed	Tubing	13#, 14#, 19#, 16# 25#, 17#, 18#	15#, 24#	Inner diameter: 0.13-3.17mm Wall thickness: 0.86-1mm	
LabF1/F1	1-150rpm	0.07~570	1.7~435	0.00166-49(suggestion working speed≤150rpm)	0.00185-65(suggestion working speed≤150rpm)
LabF3/F3	1-350rpm	0.07~1330	1.7~1015		
LabF6/F6	1-600rpm	0.07~2280	1.7~1740		



Dispensing volume interface

Dispensing time and pause time interface

Copy numbers interface

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