



# Dispensing Peristaltic Pump

Model No. : LabF1-AMC  
Flow Rate : 0.0002-65mL/min



## Product 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.

## Screen Display

Display area for dispensing volume

Display area for setting parameter

Display area for dynamic working

Display area for running parameter

Function setting area changeable by touching

Volume dispensing interface

Speed dispensing interface

Repeat numbers interface

The screen displays the following information:

- Dispensing Volume: 10.56 ml
- Date/Time: 2014/07/26 10:00 AM
- Work Status: II / C
- Pump Head: EasyPumpl
- Tube Size: 16#
- Suck-Back: 0°
- Parameters:
  - Disp. Vol.: 12.00 ml
  - Disp. Time: 22.00 s
  - Pause Time: 5.00 s
  - Copy CNT: 1/2
- Function buttons: SET, CAL, MON, SPEED, 20 CNT



## Pump Head Flow Rate

AMC Series pump head Technical Specifications									
Channel number	1	2	3	4	5	6	8	10	12
Rollers material	304/316 stainless steel material								
Rollers number	10 rollers, 6 rollers								
Tubing	Speed	Flow rate of pump head with 10 rollers (mL/min)	Flow rate of pump head with 6 rollers (mL/min)	Tubing Max.Pressure(Mpa)					
				Intermittent	Continuous				
1×1	0.1~150rpm	0.0050~7.55	0.0062~9.36	0.1	0.1				
2×1		0.0183~27.52	0.0220~33.06						
2.4×0.8		0.0254~38.13	0.0319~47.81						
3×1		0.0323~48.38	0.0434~65.17						
0.13×0.86		0.0002~0.29	0.0002~0.31						
0.19×0.86		0.0003~0.44	0.0003~0.46						
0.25×0.86		0.0005~0.76	0.0005~0.80						
0.51×0.86		0.0013~2.00	0.0014~2.05						
0.89×0.86		0.0030~4.47	0.0031~4.65						
1.14×0.86		0.0061~9.16	0.0065~9.74						
1.42×0.86		0.0125~18.75	0.0142~21.28						
2.06×0.86		0.0197~29.60	0.0234~35.17						
2.79×0.86		0.0286~42.86	0.0372~55.77						



## Technical Specifications

Speed range	0.1-150rpm	Start/stop, direction signal	Passive switch signal, such as foot pedal; Active switch signal: 5V,12V, 24V for option
Speed resolution	0.01rpm		
Dispensing volume range	0.1-9999.99mL	Output interface	Output motor working status (Open-Collector output)
Dispensing volume resolution	0.01mL		
Dispensing time	0.1-9999.99s	Communication interface	RS232, RS485 support Modbus protocol (RTU mode)
Pause time	0.1-9999.99s		
Time resolution	0.01s	Power supply	0.1~0.27Mpa(1.6~2.4mm wall thickness tubing)
Copy numbers	1-9999 times,setting '0' means unlimited		
Back suction angle	0-360°	Drive dimension (L×W×H)	259×157×237mm
Dispensing accuracy	<±0.5%	Drive weight	4.40 kg
Motor type	Servo motor	Condition temperature	0-40°C
Display	Industrial grade 4.3" color LCD display	Power consumption	<50W
Control method	Touch screen and Mechanical keypad	Relative humidity	<80%
Keypad lifetime	300,000 times	IP rate	IP 31

## Dimension Drawing (Unit:mm)

