

PPD-130

Peristaltic Pump Dispenser



Peristaltic pump dispensers transfer low viscosity liquids by pressure displacement applied to a turning rotor against a tube carrying material. Usually these pumps are chosen because the liquids are hazardous or difficult to work with and it is advisable to limit operator contact. Another reason is that peristaltic pumps are air free.

The model PPD-130 offers excellent features for air-free positive displacement dispensing of materials such as cyanoacrylate, solvent, alkaline and acid. Dispense outputs can be timed from 0.01 - 99.99 seconds with flow speeds from 0.01 - 6ml/min using Teflon tubing and from 0.1 - 20ml/min using silicone tubing. The pump is bidirectional allowing snuff-back after discharge to prevent dripping of the fluid.

Features

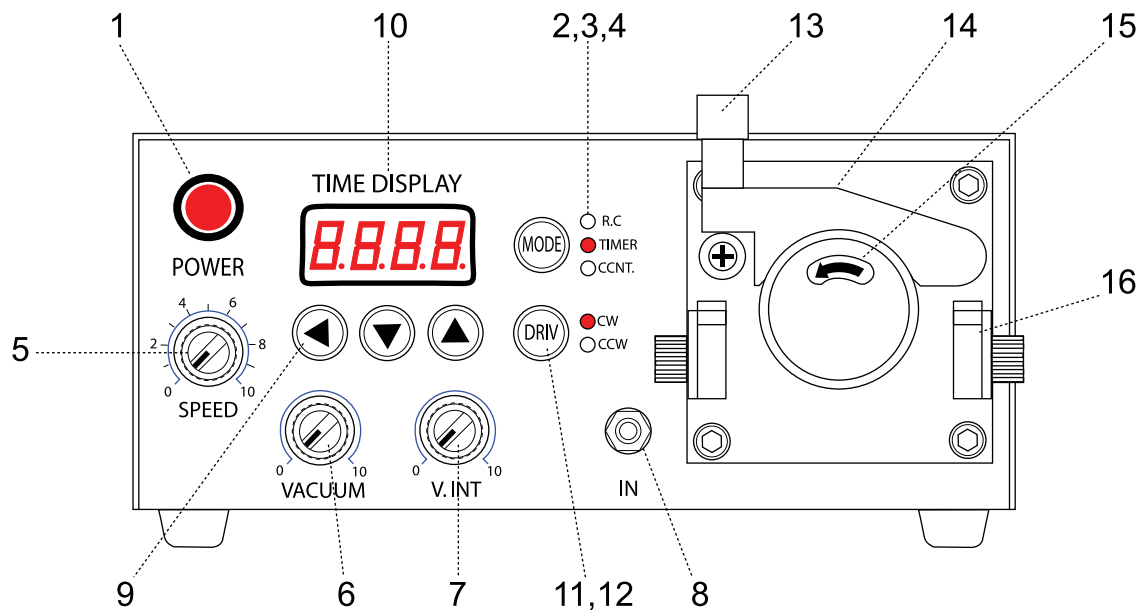
- Air free dispensing
- Forward and reverse motion
- Instant reverse for snuff-back cuts off liquid flow
- Adjustable interval before reverse direction
- Teflon and silicone tube options
- Continuous or timer modes
- Large segment digital LED display
- Output signal to indicate end of dispense cycle
- Clean room compatible
- Simple load mechanism also provides easy cleaning

Operation

- Suitable for small shots and continuous operation
- Adjustable rotor speed in volume 0 - 10
- Self priming from bottle or jar
- Teflon tubing for smaller discharges at lower flow rates
- Silicone tubing for larger discharges at higher flow rates
- System operated by finger switch on holder or remotely from I/O connector at rear of unit
- Timer display counts down for discharge

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Functions

1) Power Switch	LED signals that the switch is on	9) Time set button	Programming dispense time
2) RC mode	Cycles for as long as activated	10) Timer Display	Displays dispense time
3) Timer mode	Time range - up to 99 seconds	11) Driv. CW	Drives rotor clockwise
4) Cont. mode	Continuous operation	12) Driv. CCW	Drives rotor counter-clockwise
5) Speed dial	Adjusts the speed the rotor turns	13) Guide lock	Locks tube in place
6) Vacuum dial	Fluid suck-back after dispense cycle	14) Tube guide	Keeps tube in place over rotor
7) Vacuum interval	Adjustable within 0-3 seconds	15) Rotor head	Rotor that pushes fluid in the tube
8) Input jack	Finger/foot switch plug	16) Tube holder	Keeps tube centered on rotor

Specifications

Cycle Rate:	0.01 - 99.99 seconds
Flow Speed	
Teflon tube:	0.01 - 6ml/min.
Silicone tube:	0.1 - 20ml/min.
Rotor speed:	up to 120 rpm
Dispense pressure:	Over 105 Kg/cm ²
I/O:	Connection for remote operation
Input voltage:	110-240 VAC - 50/60Hz
Internal voltage:	5 VDC
Dimensions (WxDxH):	7.18" x 3.20" x 6.73"
Weight:	6.6 lbs.
Standards:	CE Approved, RoHS Compliant

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