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ISO : 9001:2015
ISO : 13485:2016

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Plot at KH No.9/25/2, 13/5/1 Industrial Area
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BASIC VARIABLE SPEED PERISTALTIC PUMP

DESCRIPTION

This is a portable microflow variable-speed peristaltic pump. It provides flow range from 0.005 to 64 mL/min with variable pump heads and tubing. It offers not only basic functions such as start/stop, reversible direction and adjustable speed, but also Time Dispense Mode to dispense fluid by setting the duration time for each dose. With standard RS485 MODBUS interface, it is easy to communicate with external device, such as PC, HMI or PLC.



KEY FEATURES

- Simple operation, portable size, easy to install. Suitable for equipment as an ancillary device and for laboratory use.
- 0.5% high precision rotating speed control with 0.1 rpm speed resolution. Speed range 0.1-80 rpm.
- The lifetime of the built-in Pharmed BPT tubing is up to 12000 hours for continuous running.
- Four-digit LED displays working speed and control mode
- Membrane keypad
- Reversible direction, start/stop, adjustable speed.
- Time dispense function. Repeat dispensing by setting the dispense duration time.
- Plastic housing, embedded design to work independently
- The circuit board with conformal coating makes it dust-proof and moisture-proof.
- External logic level signal can control start/stop, direction and dispense function.
- External analog signal can adjust the rotating speed. Signal is optically isolated
- MODBUS RS485 interface, easy to communicate with external control devices.
- Optional footswitch or timer for dispensing fluid.

TECHNICAL SPECIFICATION

Flow range: 0.0004-77 mL/min	External analog control signal: 0-5V (standard); 0-10V, 4-20mA (optional)
Speed range: 0.1-80 rpm	External communication interface: MODBUS RS485
Speed accuracy: 0.5%	Ambient temperature: 0-40 °C
Speed resolution: 0.1 rpm	Relative humidity: < 80%
Power supply: AC 100-240V, 50Hz/60Hz	IP grade: IP31
Power consumption: < 10W	Dimensions (L x W x H): 112mm x 96mm x 96mm (4.4 x 3.8 x 3.8 inch)
External logic level control signal: 5V, 12V (standard), 24V (optional)	Weight: 0.8 kg (1.8 lbs)

ORDERING INFORMATION

CAT.NO.	DESCRIPTION
AMBI-PP-80S	Basic Variable Speed Peristaltic Pump