

# Digital Automatic Glue Dispenser Operating Instruction



※ For your safety, please read this “Operating Instruction” carefully before operating. And always keep this manuals within reach.

## 1. Instruction

Automatic Liquid Dispenser with time control, to push the liquid pneumatically, controlled by timer, to be sure the same dispensing drops and dispensing cycle time, regulated the air pressure with suitable tip at your equipments of the different liquids as glues, solders pastes. Applied for 10 types of steel tips and 5 types of plastic tips for various customers' needs...

By using controlled air pressure and microprocessor-based timers – instead of operator guesswork – to regulate the amount of material applied to each part, this dispenser provides a simple and economic solution to fluid dispensing. The unit can either be controlled with

a foot pedal or a finger switch for hand-held dispensing applications.

## 2. Parameters

Timer	Programmable 0.01~1s; 0.1~10s; 0.2~20s; 0.3~30s
Cycle Initiation	Maintained or momentary pedal
Repeat Tolerance	±0.5%
Size	235x225x63mm
Machine Weight	2.2 kg (4.9 lbs)
Gross Weight	2.8 kg (6.2 lbs)
Voltage Input	110VAC 50Hz
Internal Voltage	24V DC
Minimum Deposit	0.01ml
Air Input	2.5~7 bar (35~100 psi)
Air Output	0.1~5.5 bar (1~78 psi)

## 3. Features




- Digital control, high precision LCD display, easy to operate
- Controlled by microcomputer making the dispensing volume and time more precise.
- Manual & automatic optional applied to kinds of glue dispensing
- Manual/quantitative dispensing function
- Handles all fluids quantitative and steady output
- Has an analog timer with a knob to dosing require.
- Vacuum control keeps thin fluids from dripping
- Use metal quick connectors, loading and unloading more convenient, durable
- Can be controlled by a Foot pedal or ring switch
- Can completed with an accessory from the dispensing kit
- His small size will provide you to save working space

## 4. Structures





1. Power Switch	Turns unit ON and OFF, Illuminated to indicate "ON" position.
2. Air Pressure Regulate/gauge	Controls and indicates air pressure to the dispense circuit (the handle of regulator should be pulled out to adjust.)
3. Mode Switch	Places the dispense circuit in automatic or manual shot mode.
4. Timer Control	Adjust the shot of the Auto dispense mode.
5. Vacuum Control	Adjust the intensity of "suck back" vacuum applied to the dispense circuit.
6. Dispense Outlet	Provide a quick connect receptacle to dispense air circuit
7. Socket of Foot-switch	Activates the dispense circuit.
8. Air-in Tube	High-pressured air input.
9. Dispensing Control	Four grades for the dispensing cycle time.
10. Power Socket	Power sock of 110V power line.

No.	Name	QTY	Picture
1	Adapter	1 pc	
2	Barrel stand	1 pc	
3	Foot pedal	1 pc	

4	Power cord	1 pc	
5	Air hose	1 pc	
6	Barrel/Syringe	3 pcs	
7	Manual switch	1 pc	
8	Manual instruction	1 pc	
9	Tip	12 pcs	

## 5. Installation

- 1) Connect the 7 bar dry and filtered air supply to the units air input plug. One connect to the unit, and the other one connects to the air compressor (**Please bring your own air compressor, we don't supply it. Or you can contact us for purchase**)
  - 2) Put the material and parts in barrel properly (material height not excess the warning line)
  - 3) Inset the power plug, foot switch plug and hose plug into the concerned sockets.
  - 4) Turn the unit "ON" and indicator at "ON" position light up.
  - 5) Pull the air pressure regulator knob outward and turn clockwise until the desired air pressure is indicated.
  - 6) As the need of switch on the "MAN" or "AUTO" mode, then it's ready to be operated.
  - 7) Dotting range regulated
- Under the "AUTO" mode, full clockwise turn of timer knob, to step the foot switch, as:

Drip switch on at 1: dispensing time >1s

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- Drip switch on at 1,2: dispensing time >10s
  - Drip switch on at 1,2 and 3: dispensing time >20s
  - Drip switch on at all full grades: dispensing time >30s

Customer can adjust according to time-being requirements.

- 8) Internal air pressure regulated: On the air pressure regulated knob, regulated internal air pressure, on the air pressure gauge, general used between 0.1-2.7 bar (1-40 psi)
- 9) On the vacuum control knob, regulated the ending dot in the air reflation, avoid dotting connected with others.

## 6. Caution

The dispensed material may be toxic or hazardous, refer to material manufacture's bulletin for proper handling and safety precautions.

- 1) High pressure air max. Shall not excess 7 bar (100 psi), otherwise bad influences will occur. If the work pressure is over 4 bar, please use aluminum-alloy connector.
- 2) All materials are kept on (50c) avoid the density changed more, if not, it will be hard to pass and not dotting.
- 3) The material must be used average normally while operating.
- 4) Auto mode operation, the air pressure regulated at 1-2.7 bar, 15-40 psi available.
- 5) Auto mode operation, clean the material of the tip in order to shot easily.
- 6) In "AUTO" mode, the suck back air force should be adjusted under air pressure, dispensing cycle and drop size, too stronger air would break the normal work.
- 7) On ending works, clean the barrel in time, to put the concerned parts in cleaning water for 5-10 minutes, it is easy to clean.

## 7. Maintenance

To assure trouble free operation, the following points should be followed:

- 1) Make certain air supply is clean and dry.
- 2) Make certain AC outlet is grounded and proper voltage rating.
- 3) Avoid turning barrels upside down or laying barrel, so that material may run through air line to internal components.
- 4) Do not allow barrel assemblies to contact hot or sharp objects.
- 5) Avoid connecting liquid dispenser to air supply exceeding 7 bar (100 psi)
- 6) Avoid exposing liquid dispenser to excessive moisture or solvent situation.