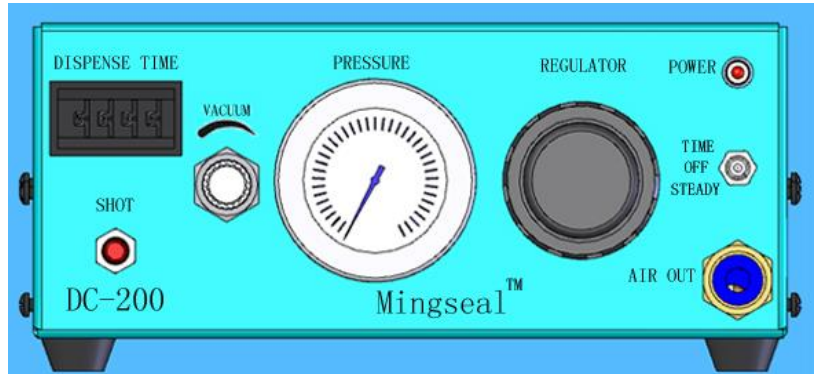


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1. Product brief

DC-200 is specially designed for Mingseal automatic dispensing platform, and also can be used separately; check the photos below, DC and automatic dispenser platform can be used together for high-precision dispensing work.



1.1 Product functions & features

1. air-pressure regulation for air out-put
2. air pressure regulation 0.01–0.7MPa, applicable for various adhesives with different viscosity
3. SHOT button, easy to set glue dispensing vol., resorption parameters, etc.
4. with dispensing delay function, to achieve precise control of glue vol.
5. vacuum resorption device, to prevent liquid from dripping; resorption vol. parameters can be regulated.
6. small size, easy operation.

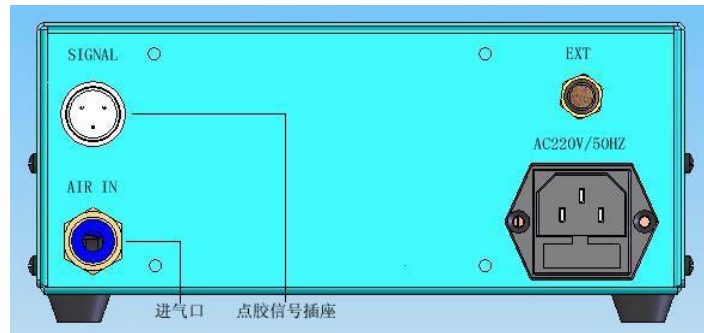
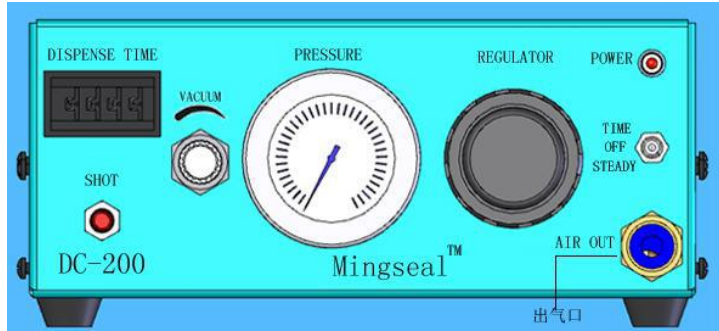
1.2 Product specifications

1. Input air pressure: 0.1–0.7MPa
2. Output air pressure: 0.01–0.7Mpa
3. Mini open time: 10ms
4. Mini dispensing vol.: 0.005ml
5. Dispensing delay time: 0–99.99s
6. Input voltage: AC200–240V/50Hz
7. Horsepower: 15W
8. Wet.: 3KG
9. Oversize: 180×155×77 (mm)

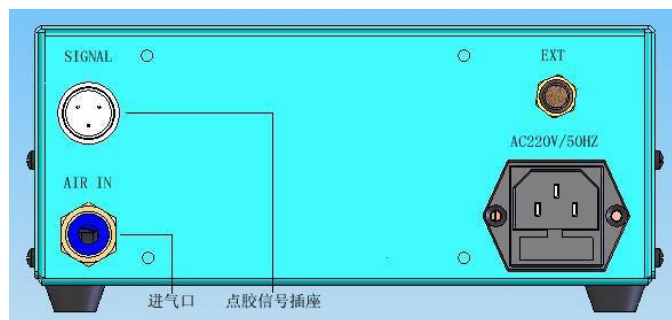
2. Setup & operation manual

2.1 equipment setup

1. connect the air source: use air pipe to connect "AIR OUT" mouth to glue syringe; use air pipe to connect "AIR IN" mouth(the back)to the outer air source.



2. connect the signal wire: use the signal wire to connect "SIGNAL"(the back of controller) to the "dispense"(the back of DS dispenser platform) ; the signal wire head is 3-core plug.

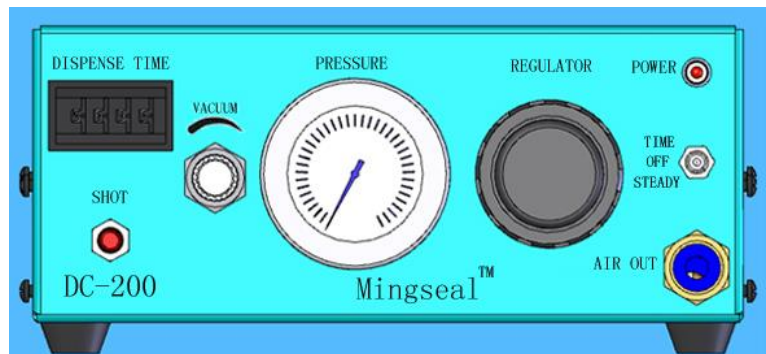


3. when DC-200 in independent work, connect the "SIGNAL" socket's No. 1 & 3 foot (air plug foot 1 & 3) to foot pedal normal-open point.
4. connect the power wire.

2.2 operation manual

Attention: make sure the equipment in reliable power supplication, good and clean working environment, and stable air source.

1. front panel introduction



Power switch:

When switch on "TIME" position, controller will be in timed dispensing status; dispensing time depends on "DISPENSE TIME" setting parameters.

When switch on "STEADY" position, controller will be in rated dispensing status; dispensing work depends on the signal by DS dispenser platform.

4 digital dial switch "DISPENSE TIME": the dispensing time setting; the digital shots \times 10ms is the dispensing delay time. For example, if digital is "1 1 1 1", and its delay time is $1111 \times 10\text{ms} = 11.11\text{s}$.

Air-pressure regulation valve "REGULATOR": for air-out pressure; the parameters are indicated on the pressure gage on the left.

Button "SHOT": for dispensing vol. parameters setting, resorption parameters setting; this button can be also taken as the normal dispensing signal

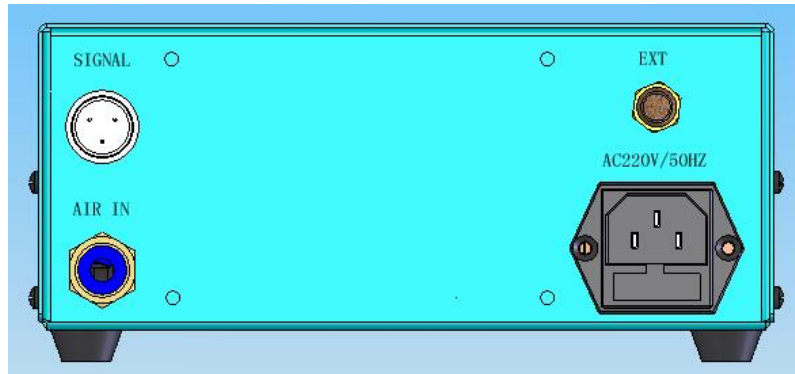
"STEADY" status, press button "SHOT", then the controller will start dispensing work; loose the button, the controller stop dispensing work.

"TIME" status, press button "SHOT", the controller will start dispensing work; dispensing work will stop after the indicated time on time-delay button "DISPENSE TIME".

"VACUUM": for vacuum regulating resorption vol.; right revolve the button to lock position, the resorption will be in zero; left revolve then the resorption will be bigger, till the max point when locking. Dispensing depends on the regulation of button according to glues' viscosity. Attention: resorption depends on air resource. When valve "VACUUM" in the same position, bigger air source pressure will lead to bigger resorption. When air source $< 0.2\text{Mpa}$, the resorption will be lower; user should notice this.

Attention: "VACUUM" regulation should be according to the practical situation; resorption should be not too big, otherwise the glue will be absorbed into the controller, etc.

2. back panel introduction:



SIGNAL: dispensing signal socket

AIR IN: air inlet mouth.

EXT: silencer

AC220V/50HZ: power socket