

DC100 and DC200 Precision Dispensing Controllers, Automatic Liquid Dispensers, Adhesives Dispensers



Description

The **DC100 digital dispenser**, with its versatile design, is suitable for a wide variety of precision dispensing applications; from microdot deposits, lines, to large potting and filling.

This new advance in dispensing technology allows the user more control over their dispensing applications. Alarms can be set to notify the user when material life has ended or fluctuations in dispensing pressure have occurred. The user friendly programming allows for up to 10 programs to be saved and 5 different dispensing modes to be used. An I/O connection allows for easy integration into pre-existing manufacturing lines. Lockable programs can allow the operator to use the DC100 without fear of mistakenly modifying programs.

The **DC200 digital dispenser** is a 3-way valve controller featuring a larger internal air solenoid for dispensing high viscosity liquids.

Features & Benefits

- Adjustable air output and vacuum with digital display
- Air input tolerance can be set for consistent pressure
- Can be locked to keep programs from being modified
- Alarm can be set for when material life has ended
- Auto purge to prevent premature curing of material
- Alarm can be set for pressure and vacuum fluctuation
- Dispense counter for tracking completed dispense cycles

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- Calibration for both pressure and vacuum
- Multiple dispense modes for easy use in many applications

Applications



*Syringe barrels and accessories sold separately

The DC100 and DC200 are suitable for a wide range of dispensing applications, including:

- LED bonding

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- Lubricant/ grease application
 - Cyanoacrylate bonding
 - UV cure adhesive dispensing
 - Encapsulation
 - Flux dispensing
 - Solder mask applications
 - Medical manufacturing
 - Automotive gasketing
 - All syringe dispensing
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- Purge Mode – Dispenses for as long as activated.
 - Teach Mode – Allows the user to record a dispense time.
 - Timed Mode – Dispense at a fixed time interval.
 - Time+ Mode – Allows operator to add time to a shot after a set amount of cycles.
 - INT Mode – Allows the user to stop a programmed dispense time early if needed

Specifications

Specification

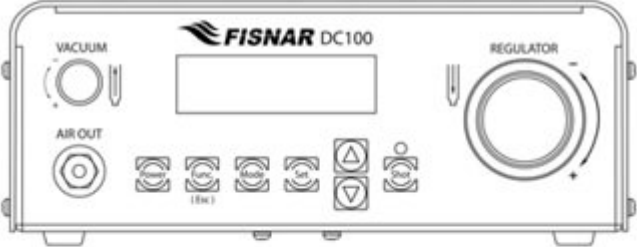
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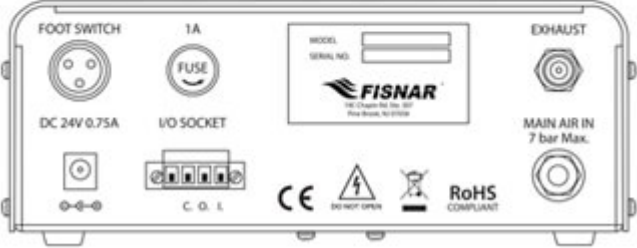
Cycle Rate	600+ Cycles per minute
Timer	0.008 to 9999 seconds
Programs	10 memory slots
Input Voltage	100-240 VAC – 50/60Hz
Output Voltage	24 VDC – 0.75 Amp
Air Input	100 psi (7 bar) maximum
Air Output	0-100 psi (0.07 – 7 bar)
Operating Temperature	10-40°C
Relative Humidity	20 – 90% (no condensation)
Dimensions (WxDxH)	191mm x 179mm x 72mm
Weight	0.92kg
Standards	CE approved, RoHS Compliant

Digital Liquid Dispenser requires clean, dry compressed air for operation. It is recommended that factory air be supplied to the dispenser through a 5 micron filter/regulator. If no factory air is available, then we supply a range of [low cost, very quiet compressors](#) which are suitable.

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Other Information

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As standard, the DC100/200 dispensing controller releases regulated, compressed air through its built-in male push connector fitting. 6mm (1/4") tubing can be easily hooked-up to the controller, with no additional components required.

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Should your process require the use of 4mm (1/8") tubing, a push connector reducer is supplied with the DC100/200 to accommodate this.



[Introduction to Time/Pressure Dispensing](#)

Download a presentation which describes the theory and practicalities of time/pressure dispensing

Ordering Information

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Part number	Description
FISDC100	Fisnar DC100 Precision Programmable Dispenser
FISDC200	Fisnar DC200 Precision Programmable Dispenser with 3-way valve control
The Fisnar DC100 and Fisnar DC200 come with the following accessories:	
FIS5601911	Universal power adaptor
FIS5601888	Foot pedal
FIS561851	Hose assembly - compressed air input
FIS560751LF	Syringe barrel stand
FIS5779K712	Push connect fitting - adapts 5/32" OD tubing to 1/4" stem
Recommended additional items	
FISDCK800	Dispensing component kit
FISQK-CSK	Dispensing consumables starter kit

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Part number	Description
FISQK-NSK	Dispensing needle sample kit

Next Steps

Our technical team are on hand to discuss your application requirements. [Click here](#) to get in touch.

Find out more information on [how to purchase](#).

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