



DC50 Benchtop Digital Liquid Dispensing Controller



Description

Also available to buy online at  **SHOP** 

Designed with simplicity in mind, the **Fisnar DC50 Benchtop Digital Liquid Dispensing Controller** is an easy-to-operate benchtop digital liquid dispenser which can bring significant productivity improvements to your process.

Containing an in-built memory slot and using a bright, 4-digit display, a dispensing cycle can be easily programmed into the **DC50**, enabling a repeatable process with minimal set-up.

The **DC50** uses two distinct dispensing modes which include a manual-mode, enabling a dispense operation controlled by a foot pedal, and a timed-mode which will dispense for a preset time.

Complete with an adjustable suck-back feature, the **DC50** can prevent post dispense dripping of low-viscosity fluids as well as the potential for oozing from higher-viscosity creams and pastes, reducing mess and saving material.

We recommend [QuantX syringe barrels](#) and [dispensing tips](#) for use with the **DC50**. A broad range is available to meet the requirements of your dispensed material and application. We offer [dispensing component starter kits](#) to get you off and running quickly.

DC50 Benchtop Digital Liquid Dispensing Controller



Features & Benefits

- User-friendly programming enables a dispense cycle to be created and automatically displayed and stored within minutes
- The low-cost controller is extremely easy to set up and is sold complete with a foot pedal and syringe stand
- Two modes of operation: manual or timed
- Digital timer display and an easy to read analogue pressure gauge, to ensure precise and repeatable shot sizes
- Able to dispense both low and high viscosity fluids thanks to its adjustable 0-100psi pressure regulator
- Manufactured with a durable aluminium housing and industry standard pneumatic system components
- Suck-back feature prevents dripping
- User-friendly touch-sensitive controls

Applications

DC50 Benchtop Digital Liquid Dispensing Controller



*Syringe barrels and accessories sold separately

The **Fisnar DC50** is designed to dispense a wide range of liquids and pastes such as:

- Cyanoacrylate adhesives
- Solvents
- Lacquers
- Adhesives
- Oils
- Greases

DC50 Benchtop Digital Liquid Dispensing Controller



- Inks
- Sealants
- Coatings
- Temporary masking
- Solder pastes and brazing pastes
- Flux
- Conformal coatings

In a variety of industries including automotive, semiconductor, loudspeakers, PCB assembly, medical devices, jewellery, sensor manufacturing, connectors, flat panel displays, SMT, general automation, and more.

Specifications

Specification	
Operation modes	Manual and timed
Dispense time	0.008 - 9999 seconds
Cycle rate	Up to 600 cycles/min
Air input	100 psi (7 bar) max

DC50 Benchtop Digital Liquid Dispensing Controller



Specification	
Air output	1 - 100 psi (0.07 - 7 bar)
Input AC to power supply	100 - 240 VAC, 50/60 Hz
Output DC from power supply	24 VDC
Operating temperature	10 - 40 °C
Weight	0.97 kg
Relative humidity	20 - 90% (no condensation)
Dimensions (WxDxH)	192 x 128 x 76 mm
Standards	CE approved, RoHS compliant

The DC50 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, we are able to supply a range of [low cost, very quiet compressors](#) which are suitable.

Other Information

DC50 Benchtop Digital Liquid Dispensing Controller



As standard, the DC50 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.

DC50 Benchtop Digital Liquid Dispensing Controller



Should your process require the use of 4mm (1/8") tubing, a push connector reducer is supplied with the DC50 to accommodate this.



[Introduction to Time/Pressure Dispensing](#)

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

Ordering Information







DC50 Benchtop Digital Liquid Dispensing Controller



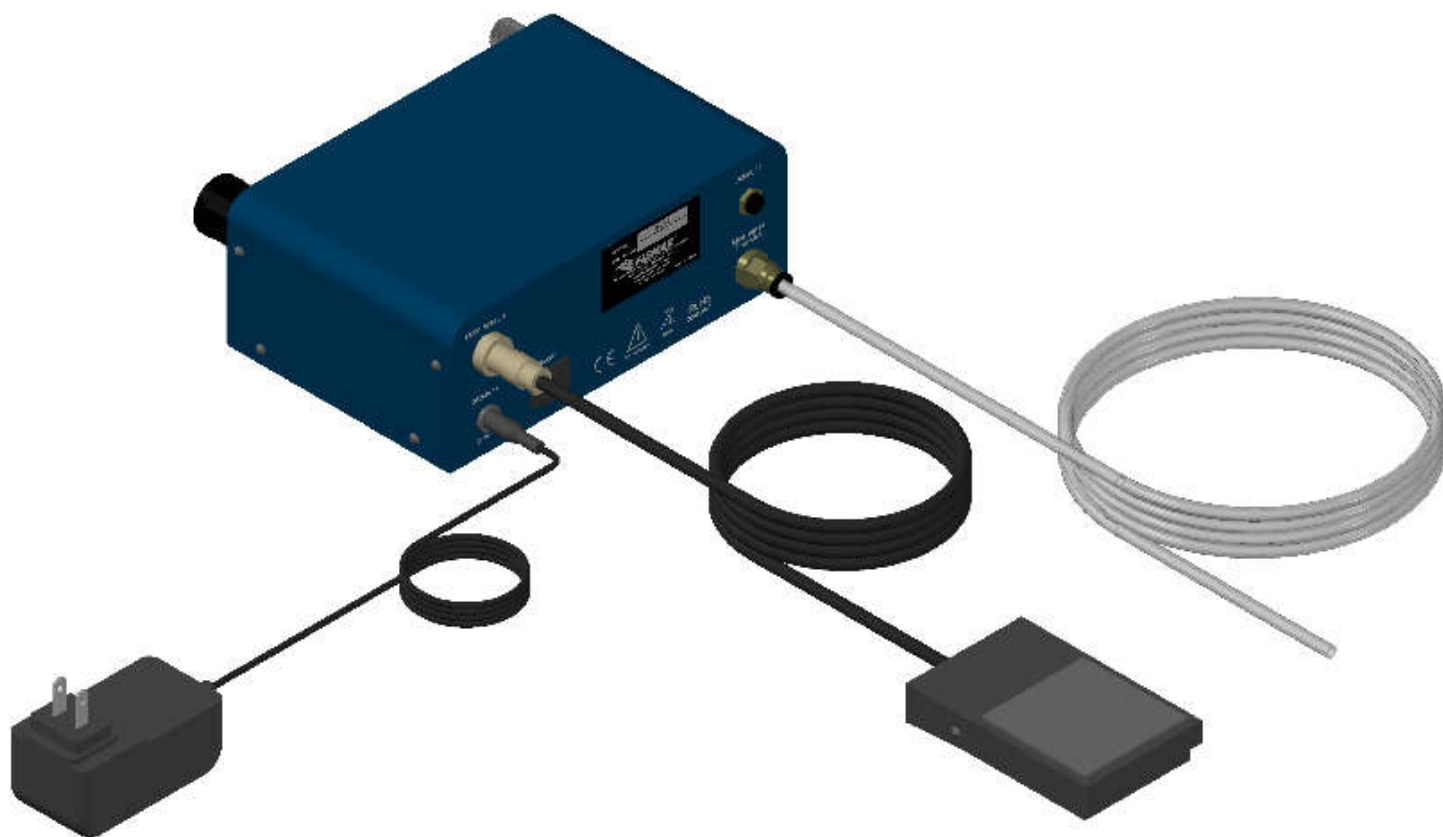
Part number	Description
FISDC50	DC50 digital liquid dispenser
<div><div>intertronics</div><div>SHOP </div></div>	
FIS5601911	Universal power adaptor <i>(included)</i>
FIS5601888	Foot pedal <i>(included)</i>
FIS561851	Hose assembly - compressed air input <i>(included)</i>
FIS560751LF	FSX Syringe stand <i>(included)</i>
FIS5779K712	Push connect fitting - adapts 5/32" OD tubing to 1/4" stem <i>(included)</i>
Recommended additional items	

DC50 Benchtop Digital Liquid Dispensing Controller



Part number	Description
<div>FISDCK800</div> <div><div>SHOP </div></div>	<div>Dispensing component kit - includes small (3, 5, 10cc) syringe barrels and accessories, and an extensive selection of dispensing tips</div>
<div>FISQK-CSK</div> <div><div>SHOP </div></div>	<div>Dispensing consumables starter kit - includes all standard syringe barrels (3, 5, 10, 30, 55cc) and accessories, plus a selection of dispensing needles</div>
<div>FISQK-NSK</div> <div><div>SHOP </div></div>	<div>Dispensing needle sample kit - contains a variety of dispensing needles</div>

DC50 Benchtop Digital Liquid Dispensing Controller





DC50 digital liquid dispenser includes these accessories

DC50 Benchtop Digital Liquid Dispensing Controller



Let's start by talking about your application

<div><div>01865</div></div> <div>842842</div>	<div><div></div></div> <div>orders@intertronics.co.uk</div>
---	--

- Name*
- Company*
- Phone*
- Email*
- Post code*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

DC50 Benchtop Digital Liquid Dispensing Controller



Tell us about your application

Any information that you submit using this form will be processed according to our [privacy policy](#).

Comments

This field is for validation purposes and should be left unchanged.

Submit

Supplied by:



INTERTRONICS
12a Station Field Industrial Estate, Banbury Road, Kidlington
Oxfordshire England OX5 1JD
t 01865 842842 e info@intertronics.co.uk

Last updated: January 2024 Version: 2.2
Statements, technical information and recommendations contained herein are based on tests we believe to be reliable but they are not to be construed in any manner as warranties expressed or implied. The user shall determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith.