

Dispensing controller



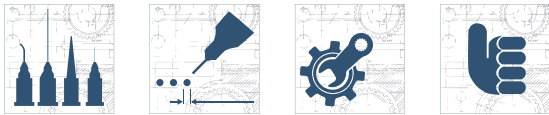
Dispensing controller

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D3PDSA-02 Time-based analog dispensing controller



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Description

The dosing unit D3PDSA-02 with analog automatic timing is a simple variant to dose a medium directly from different cartridges. This dosing unit is controlled by a foot pedal. At the customer's request, finger switches and corresponding adapter cables are available for connection to dosing robots.

With this dosing unit, an automatic timer is activated in „AUTO“ mode. By actuating the foot pedal, the dosing is triggered with the set pressure and the adjusted dosing time. In the „MAN“ mode, dosing lasts as long as the user leaves the trigger activated. The dosing time corresponds to the activation time of the trigger*. An adjustable „vacuum“ can reduce the dripping of the medium.

Attention:

For adaptation to dosing robots, request robot-specific cable!

* Pressure build-up and dismantling must be observed! Cf. dimensions of the dosing needle, viscosity of the medium

Product features

- Analog parameterizable timer
- Adjustable pressure setting
- Foot pedal as start signal transmitter
- Adjustable vacuum function
- Optional: Customer-specific packaging for e.g. various dosing robots

Technical datas

Weight [kg]:	<3.5
Dimensions [BxTxH][mm]:	210x241x70
Standards:	CE
inlet pressure [bar]:	max. 7
Operating modes:	time-controlled/manual
Supply voltage:	110V/230V 50Hz, <15W
Dosing pressure[bar]:	0-7
Vacuum function:	Venturi nozzle
Connection type (output):	bayonet
Connection type (input):	Push-In for 6/4 mm hoses
Timer:	Analogue size adjustable by potentiometer

Technical changes reserved.

Safety information

- For the longest possible service life, make sure the environment is clean and dry.
- Test the product for correct function before use.
- Briefly check the function of the device by touching the foot pedal before each installation of an syringe.
Any adhesive that may have ingressed into the solenoid valve could stick the valve together and massively change the dosage.
- This can happen, for example, due to the vacuum function or improper handling of the cartridge.

Scope of delivery D3PDSA-02

Article number	amount	description
_DL100048	1	Routine test IEC EN 61010
BG100043	1	Power cable 3 x 1 mm with plug type 12
BG3000741	1	Foot switch
BG3000628	1	Syringe stand for 3 cc - 30 cc cartridges
BG100068	1	Pneumatic tube, blue transparent, Ø 6 / 4 mm
BG3000811	1	Syringe barrel adapter, yellow, 30 cc/ 55 cc
BG3001121	5	Syringe barrel, transparent, Luer Lock, 30 cc
BG3001130	5	Piston, white, conical, 30 cc / 55 cc, PE
BG3000002	1	Dispensing tip assortment small, 15 different dispensing tips, 2 different syringe barrel end cap

Optional accessories available:

Article number	description
EB3250019	Finger switch for 5 cc cartridges
EB3250011	Finger switch for 10 cc cartridges and dispensing pen type
EB3250010	Finger switch for 30 / 55 cc cartridges
BG3800005	Syringe stand V1
BG3000000	Dispensing tip assortment big

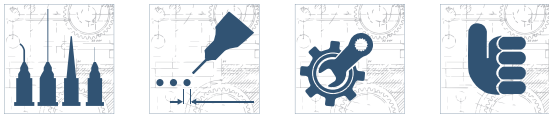
Syringe barrel 4/2 tube with NBR O-ring

Article number	size cc	colour
BG3000811	30/55	yellow
BG3000794	10	yellow
BG3000812	5	yellow
BG3000827	3	yellow

D3PDSD-02 Time-based digital dispensing controller



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Description

The dosing device D3PDSD-02 with digital automatic timer is a simple variant to dose a medium directly from different cartridges. This dosing unit is controlled by a foot pedal. At the customer's request, finger switches and corresponding adapter cables are available for connection to dosing robots.

With this dosing unit, the desired dosing time is preselected accordingly on the switchgear. If no time is programmed, the manual dosing time is shown on the digital display. With this function, the user can easily determine the required setting time for a dosing process. The dosing time corresponds to the actuation time of the trigger*. An adjustable „vacuum“ can reduce the dripping of the medium.

In addition to the manual and time-controlled dosing mode, there is also a cycle mode which enables cycle operation during dosing.

Attention:

For adaptation to dosing robots, request robot-specific cable!

* Pressure build-up and dismantling must be observed! Cf. dimensions of the dosing needle, viscosity of the medium

Product features

- Digitally parameterizable timer
- Adjustable pressure setting
- Foot pedal as start signal transmitter
- Adjustable vacuum function
- Optional: Customer-specific packaging for e.g. various dosing robots

Technical data

Weight [kg]:	<4
Dimensions [WxDxH][mm]:	210x281x70
Standards:	CE
Time setting [s]:	0.001-9.999 /0.01-99.99
Inlet pressure [bar]:	max. 7
Operating modes:	time-controlled/manual/interval
Supply voltage:	110V/230V 50Hz, <15W
Dosing pressure [bar]:	0-7
Cycle interval [s]:	0.1-9.9
Vacuum function:	Venturi nozzle
Connection type (output):	bayonet
Connection type (input):	Push-In for 6/4 mm hoses
Timer:	Digitally adjustable via coding switch

Subject to technical changes without notice.

safety information

- For the longest possible service life, make sure the environment is clean and dry.
- Test the product for correct function before each use.
- Before each installation of an adhesive cartridge, carry out a brief functional check of the by touching the foot pedal. Any adhesive that may have penetrated into the solenoid valve could stick the valve together and massively change the dosing behaviour.
- Medium that has penetrated into the dosing unit can impair its function.
This can be caused, for example, by the vacuum function or improper handling of the
Pass the cartridge.

Scope of delivery D3PDSA-02

Article number	amount	description
_DL100048	1	Routine test IEC EN 61010
BG100043	1	Power cable 3 x 1 mm with plug type 12
BG3000741	1	Foot switch
BG3000628	1	Syringe stand for 3 cc - 30 cc cartridges
BG100068	1	Pneumatic tube, blue transparent, Ø 6 / 4 mm
BG3000811	1	Syringe barrel adapter, yellow, 30 cc/ 55 cc
BG3001121	5	Syringe barrel, transparent, Luer Lock, 30 cc
BG3001130	5	Piston, white, conical, 30 cc / 55 cc, PE
BG3000002	1	Dispensing tip assortment small, 15 different dispensing tips, 2 different syringe barrel end cap

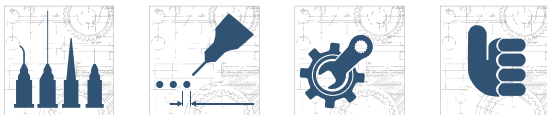
Optional accessories available:

Article number	description
EB3250019	Finger switch for 5 cc cartridges
EB3250011	Finger switch for 10 cc cartridges and dispensing pen type
EB3250010	Finger switch for 30 / 55 cc cartridges
BG3800005	Syringe stand V1
BG3000000	Dispensing tip assortment big

Syringe barrel 4/2 tube with NBR O-ring

Article number	size cc	colour
BG3000811	30/55	yellow
BG3000794	10	yellow
BG3000812	5	yellow
BG3000827	3	yellow

D3PPSD-04 High-precision peristaltic pump



Description

The precision peristaltic pump D3PPSD-04 is suitable for dosing without compressed air and is therefore frequently used for low-viscosity media. This dosing unit is controlled by a foot pedal. At the customer's request, dosing styli with finger switches and corresponding adapter cables for connection to dosing robots are available. With this dosing unit, the desired dosing time, dosing speed and withdrawal quantity are set via the front keypad*. The conveying direction can be easily selected at the push of a button. In the „Remote“ mode, dosing lasts as long as the user leaves the trigger activated. Cleaning and maintenance are easy. As the dosing medium does not come into contact with the system, this precision hose ramp is suitable for dosing cyanoacrylates, UV acrylates, electrolytes and solvents. The hose can be emptied at any time by reversing the pump direction. By a defined material retraction the dripping of low viscous media can be reduced.

Attention:

For adaptation to dosing robots, request robot-specific cable!

* Pressure build-up and dismantling must be observed! Cf. dimensions of the dosing needle, viscosity of the medium

Product features

- Metering application for low viscosity liquids
(e.g. cyanoacrylates, UV-acrylates, electrolytes, solvents etc.)
- Dosing without compressed air
- Adjustable conveying speed
- Digital setting of parameters
- Dosage directly from the container

Technical data

Weight [kg]: 3.5

Dimensions [WxDxH][mm]: 190x184x94

Speed [rpm]: 0-160

Vacuum function available

Input voltage: 110/120 V AC 50/60 Hz

Viscosity of the medium [mPas]: <200 (approx.)

Subject to technical modifications.

Safety information

- For the longest possible service life, ensure adequate lubrication.
the pump unit with conditioner.
- Replace the material hose regularly before it is worn out.
Otherwise the unit may be damaged.
- Important: Install new hoses according to the short instructions.
- Test the product for correct function before each use.
- Before each installation of an adhesive cartridge, carry out a brief functional check of the
by touching the foot pedal. Possible penetration of the solenoid valve by a
Adhesive could stick the valve together and massively change the dosing behaviour.

Scope of delivery D3PPSD-04

Article number	amount	description
_DL100048	1	Routine test IEC EN 61010
BG100043	1	Power cable 3 x 1 mm with plug type 12
BG3000821	1	Foot switch
CH3500006	1	Conditioner white, 1 cc syringe complete

Optional accessories available:

Article number	description
EB3250015	Finger switch for 10 cc cartridges and dispensing pen type
BG3800005	Syringe stand V1
BG3000000	Dispensing tip assortment big
BG3250025	Dispensing pen type, M14
BG3250016	Holder dispensing pen
BG3000231	Universal mount
BG300100	Single-use cup 30 ml
CH3500005	Conditioner white, syringe complete 10 cc

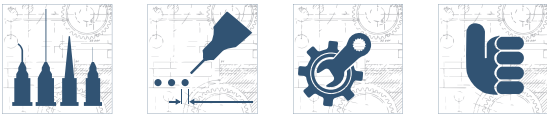
Material hose for precision peristaltic pump

Article number	diameter	colour	material
BG3000200	i - Ø 0.2 mm, o - Ø 0.4 mm	transparent	PTFE
BG3000201	i - Ø 0.5 mm, o - Ø 1.0 mm	transparent	PTFE
BG3000202	i - Ø 1.0 mm, o - Ø 1.6 mm	transparent	PTFE
BG3000203	i - Ø 2.0 mm, o - Ø 2.6 mm	transparent	PTFE
BG3000204	i - Ø 2.4 mm, o - Ø 3.0 mm	transparent	PTFE
BG3000205	i - Ø 3.8 mm, o - Ø 4.6 mm	transparent	PTFE
BG3000206	i - Ø 0.2 mm, o - Ø 0.4 mm	black, ESD	PTFE
BG3000207	i - Ø 0.5 mm, o - Ø 0.7 mm	black, ESD	PTFE
BG3000208	i - Ø 1.0 mm, o - Ø 1.6 mm	black, ESD	PTFE
BG3000209	i - Ø 2.0 mm, o - Ø 2.6 mm	black, ESD	PTFE
BG3000210	i - Ø 2.4 mm, o - Ø 3.0 mm	black, ESD	PTFE

D3PDVA-02 Valve control apparatus with analog automatic time



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Description

The D3PDVA-02 valve controller with analog automatic timer is a simple variant for controlling a medium using of a dosing valve. This dosing device is controlled by foot pedal. On customer request Finger buttons and corresponding adapter cables for connection to dosing robots are available. With this dosing unit, an automatic timer is activated in „AUTO“ mode. By pressing the foot pedal, the valve-controlled dosing is triggered for a defined time with the help of the control air. In the „MAN“ mode, dosing lasts as long as the user leaves the trigger activated. The dosing time corresponds to the time the trigger is activated*.

Attention:

For adaptation to dosing robots, request robot-specific cable!

* Pressure build-up and dismantling must be observed! Cf. dimensions of the dosing needle, viscosity of the medium

Product features

- Analogue parameterizable timer
- Adjustable pressure setting
- Foot pedal as start signal transmitter
- Optional: Customer-specific packaging for e.g. various dosing robots

Technical data

Weight [kg]:	<3.5
Dimensions [WxDxH][mm]:	210x281x70
Standards:	CE
Inlet pressure [bar]:	max. 7
Operating modes:	time-controlled/manual
Supply voltage:	110V/230V 50Hz, <15W
Dosing pressure [bar]:	0-7
Connection type (output):	bayonet
Connection type (input):	Push-In for 6/4 mm hoses
Timer:	analogue variable adjustable by potentiometer Control air pressure for valve actuation Control air pressure is equal to inlet pressure

Subject to technical changes without notice.

safety information

- For the longest possible service life, make sure the environment is clean and dry.
- Test the product for correct function before each use.
- Before each installation of an adhesive cartridge, carry out a brief functional check of the by touching the foot pedal. Any adhesive that may have penetrated into the solenoid valve could stick the valve together and massively change the dosing behaviour.
- Medium that has penetrated into the dosing unit can impair its function.
This can be caused, for example, by the vacuum function or improper handling of the
Pass the cartridge.

Scope of delivery D3PDVA-02

Article number	amount	description
_DL100048	1	Routine test IEC EN 61010
BG100043	1	Power cable 3 x 1 mm with plug type 12
BG3000741	1	Foot switch
BG3000628	1	Syringe stand for 3 cc - 30 cc cartridges
BG100068	1	Pneumatic tube, blue transparent, Ø 6 / 4 mm
BG3000811	1	Syringe barrel adapter, yellow, 30 cc/ 55 cc
BG3001121	5	Syringe barrel, transparent, Luer Lock, 30 cc
BG3001130	5	Piston, white, conical, 30 cc / 55 cc, PE
BG3000002	1	Dispensing tip assortment small, 15 different dispensing tips, 2 different syringe barrel end cap

Optional accessories available:

Article number	description
EB3250019	Finger switch for 5 cc cartridges
EB3250011	Finger switch for 10 cc cartridges and dispensing pen type
EB3250010	Finger switch for 30 / 55 cc cartridges
BG3800005	Syringe stand V1
BG3000000	Dispensing tip assortment big
BG3000832	optimized for tube 4/2 mm and 6/4 mm (black)

Syringe barrel 4/2 tube with NBR O-ring

Article number	size cc	colour
BG3000811	30/55	yellow
BG3000794	10	yellow
BG3000812	5	yellow
BG3000827	3	yellow

Dispensing hand tool 1K

Dispensing hand tool 1K

Article number	description
BG3000884	suitable for 10cc cartridges
BG3000883	suitable for 30cc cartridges
BG3000882	for 55cc cartridges



Dispensing hand tool 2K

Dispensing hand tool 2K

Article number	description
BG3000899	for double cartridges 50ml mixing ratio: 1:1, 2:1, 10:1



Pneumatic hand gun 2K

Article number	description
BG3000896	for double cartridges 50ml mixing ratio 1:1 and 2:1



Accessories:

Double cartridge, complete with plunger and closure (bayonet)

Article number	description
BG3000900	50ml, mixing ratio 1:1
BG3000901	50ml, mixing ratio 2:1
BG3000902	50ml, mixing ratio 4:1
BG3000903	50ml, mixing ratio 10:1

