

DOSE IT - Programmable peristaltic pump



Dispensing made easy.

DOSE IT

The programmable peristaltic pump DOSE IT is designed to make the dispensing of culture media, buffers and other solutions easy and efficient. The simple programming and straightforward operation of the DOSE IT is ideal for laboratories where several different dispensing protocols are frequently used.

A broad range of dose volumes can be dispensed with high accuracy since the DOSE IT is compatible with differently sized tubing: from 1 mm tubing for dispensing small doses to 8 mm tubing for high-throughput pumping. The compact and light-weight design allows to move and place the DOSE IT virtually everywhere further increasing its flexibility.



Easy handling

The intuitive and multilingual user interface coupled with the large display makes it extremely simple to program and operate the DOSE IT. Twenty different dosing protocols can be saved and recalled by pressing a button. The setting of all functions and parameters is self-explanatory so that with minimal learning time everybody can start working immediately. The flip-top pumphead for easy tube loading further reduces the time for preparation and set up of the pump.



Versatility

The DOSE IT pumphead accommodates different tubing sizes (1 to 8 mm) so that a wide range of volumes can be dispensed with speed and precision. The dispensed volume can range from hundred microlitres to several litres – typical applications include the filling of tubes with liquid broth, the pouring of agar plates, the filling of bottles with buffers or the aliquoting of stock solutions. The flow rate can be doubled by using a second pumphead, a modification that also reduces flow pulsation. The versatility of the DOSE IT reduces the need to have several single-purpose pumps in a lab.



Typical volume and flow values for different tubing sizes

Tubing inner diameter (ID)		1 mm	2 mm	3 mm	4 mm	6 mm	8 mm
Dose volume (ml) at CV*	1 - 3%	0.1 - 0.5	0.5 - 1	1 - 3	2 - 7	5 - 15	20 - 40
	< 1 %	> 0.5	> 1	> 3	> 7	> 15	> 40
Flow rate range (ml/min)		0.6 - 52	2.1 - 203	4.8 - 475	8.4 - 837	16 - 1634	25 - 2488

* Coefficient of variation (CV), a measure for the reproducibility of dosing.



Compact and functional design

With its very small footprint and light weight the DOSE IT fits everywhere in the lab and can be moved easily – no need to waste valuable bench space or to have a pump in every lab. The smooth and rounded surface makes it easy to clean. The position of the pumphead and of the display and keypad is optimal for ergonomic working.



Quality control

The DOSE IT provides all features necessary to support the individual needs in quality control. All process relevant information can be documented using a standard label printer or by directly transferring the information to a personal computer.

Technical Data

Dimensions (H x W x D)	203 x 210 x 191 mm
Weight	3.5 kg
Interface	2x RS232
Input voltage	100 – 240 VAC 50/60 Hz
Tubing inner diameter	1 - 8 mm
Flow rate	0.6 ml/min – 5 L/min
Dose volume	0.1 ml - 9999 ml



Ordering information

	Description	Unit	Part No.
DOSE IT P910	DOSE IT P910 programmable peristaltic pump incl. <ul style="list-style-type: none"> ■ Silicone tubing 4 mm inner diameter (ID) ■ Dispensing tube ■ Aspiration tube 10 cm and 35 cm ■ Tube collar 	1	171 000
Accessories			
	Foot switch	1	143 200
	Retort rod for clamp fixing	1	171 085
	Extension pumphead for double pumphead assembly	1	171 090
	Tubing set for double pumphead (8 mm ID)	1	171 088

	Description	ID (mm)	Unit	Part No.
Silicone tubing	2.5 m length, autoclavable	1	1	171 021
		2	1	171 022
		3	1	171 023
		4	1	171 024
		6	1	171 026
		8	1	171 028
Silicone tubing bulk roll	25 m length, autoclavable	1	1	171 031
		2	1	171 032
		3	1	171 033
		4	1	171 034
		6	1	171 036
		8	1	171 038
Dispensing tube	10 cm length, stainless steel	1	1	171 041
		2	1	171 042
		3	1	171 043
		4	1	171 044
		6	1	171 046
		Aspiration tube 10 cm	10 cm length, stainless steel, dented	1
2	1			171 052
3	1			171 053
4	1			171 054
6	1			171 056
8	1			171 058
Aspiration tube 35 cm	35 cm length, stainless steel, dented	4	1	171 064
		6	1	171 066
		8	1	171 068
Tube collar	Used as clamp spacer for the dispensing tube or as weight for the aspiration tube.	1-3	1	171 071
		4-6	1	171 074



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