

INTEGRA



DOSE IT Dispensing made easy

DOSE IT

The 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 millilitres to 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 with CV* ≤ 1 %	> 0.5 ml	> 1 ml	> 3 ml	> 7 ml	> 15 ml	> 40 ml
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 (e.g. the EPSON TM-U220) or by directly transferring the information to a personal computer.

Technical Data

Dose volume	0.1 ml – 9999 ml
Flow rate	0.6 ml/min – 5 L/min
Tubing inner diameter	1 – 8 mm
Tubing wall thickness	1.5 mm
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



Ordering information

Instrument		Part No.
DOSE IT P910	Peristaltic pump complete with: ● Silicone tubing, inner diameter 4 mm ● Dispensing tube ● Aspiration tube, length 10 cm and 35 cm ● Tube collar ● Mains adapter	171 000

Accessories		Part No.
Foot switch	with connecting cable	143 200
Benchtop switch	with connecting cable	171 081
Retort rod	for clamp fixing (without clamp), diameter 12 mm	171 085
Extension pumphead	for double pumphead assembly	171 090
Silicone tubing set	for double pumphead, inner diameter 8 mm	171 088

Consumables		ID (mm)*	Part No.
Silicone tubing	length 2.5 m, autoclavable	1	171 021
		2	171 022
		3	171 023
		4	171 024
		6	171 026
		8	171 028
	length 25 m (bulk roll), autoclavable	1	171 031
		2	171 032
		3	171 033
		4	171 034
Dispensing tube	length 10 cm, stainless steel	6	171 036
		8	171 038
		1	171 041
		2	171 042
		3	171 043
Aspiration tube	length 10 cm, stainless steel, dented	4	171 044
		6	171 046
		1	171 051
		2	171 052
		3	171 053
		4	171 054
		6	171 056
		8	171 058
	length 35 cm, stainless steel	4	171 064
		6	171 066
Tube collar	Used as a weight for the aspiration tube or as a clamp spacer for the dispensing tube	8	171 068
		1–3	171 071
		4–6	171 074

* ID... inner diameter



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