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Перистальтический насос Dose-it

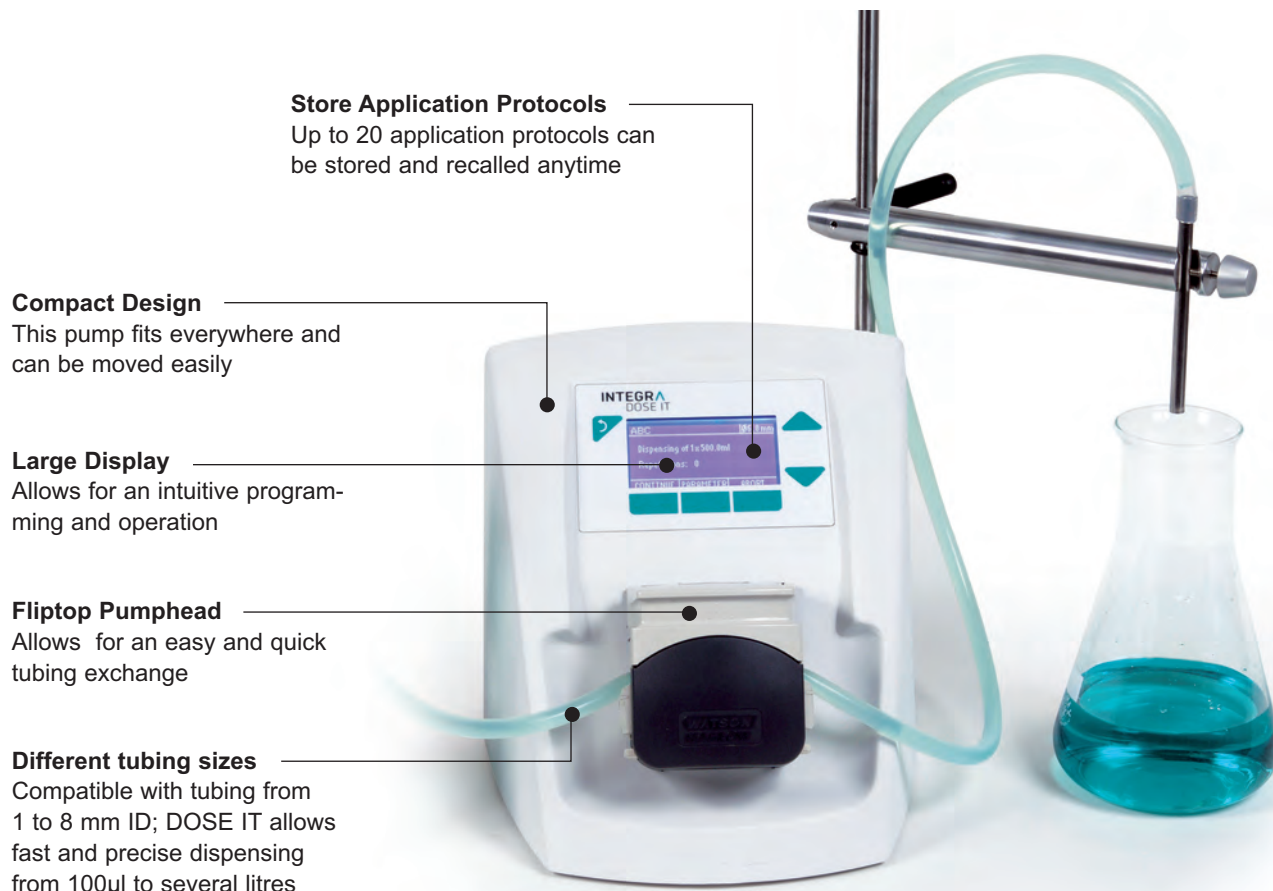


DOSE IT Compact and Easy-to-use Peristaltic Pump

DOSE IT

Peristaltic pumps are very helpful when dispensing culture media, buffers or other solutions. However, most pumps are difficult to program, oversized and bulky.

DOSE IT offers easy handling and straight-forward setting of parameters. It is light weight, fits everywhere in the lab and can be moved easily. The large display and the intuitive user interface make it very easy to set the parameters and operate DOSE IT. Simply choose a dispensing protocol and press run.



Easy handling

An intuitive and multilingual user interface coupled with simple on-screen instructions makes it extremely simple to operate DOSE IT. Different dosing protocols can be saved and recalled by pressing a single button. The setting of all functions and parameters is self-explanatory and straightforward.



Compact and portable

With its very small footprint and light weight, 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.



Media Dispensing

Versatility

The DOSE IT pump head accommodates different tubing sizes (1 - 8 mm) so that a wide range of volumes – from milliliters to liters – can be dispensed with speed and precision. The flow rate can be doubled by using a second pump head, a modification that can also be used to minimize flow pulsation.



Applications

Media dispensing

Ideal for dispensing media, buffer or filling Petri dishes.

Customized Applications

Allows setup of complex dosing patterns. Customized applications may include:

- Coating and washing of Petri dishes
- 1:10 dilutions chasing samples with diluent from a reservoir
- Performing density gradient tubes with ramp up function



Coating of Petri dishes



Serial dilutions



Density Gradients



Customized Applications

Wide range of volumes: typical volume and flow values for different tubing sizes.

Tubing inner diameter (ID)	1 mm	2 mm	3 mm	4 mm	6 mm
Dose volume with CV* ≤ 1 %	> 0.5 ml	> 1 ml	> 3 ml	> 7 ml	> 15 ml
Flow rate range (ml/min)	0.6 - 52	2.1 - 203	4.8 - 475	8.4 - 837	16 - 1'634

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

Technical Data

Dose volume	0.1 ml - 9'999 ml
Flow rate	0.6 ml/min - 5 L/min
Tubing inner diameter	1 - 8 mm
Tubing wall thickness	1.6 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: ■ 1 Silicone tubing, inner diameter 4 mm, length 2.5 m ■ 2 Aspiration / dispensing tubes, length 10 cm, stainless steel, one end dented ■ 1 Aspiration / dispensing tube, length 35 cm, stainless steel, one end dented ■ 1 Tube collar ■ 1 Pipette-tubing connector ■ Mains adapter	171 000
Accessories		Part No.
Foot switch	for hands-free operation, with connecting cable	143 200
Benchtop switch	for hands-free operation, with connecting cable	171 081
Retort rod with filling arm	retort rod diameter 10 mm	171 091
Extension pumphead	for double pumphead assembly	171 090
Silicone tubing set	for double pumphead, inner diameter 8 mm, length 3.0 m	171 088
Pipette-tubing connector	for connecting pipettes to 2 - 6 mm inner diameter silicone tubing, autoclavable, 5-pack	171 077
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**
		1 171 031
		2 171 032
	length 25 m (bulk roll), autoclavable	3 171 033
		4 171 034
		6 171 036
		8 171 038**
		1 171 051
		2 171 052
		3 171 053
		4 171 054
Aspiration / dispensing tube	length 10 cm, stainless steel, one end dented	6 171 056
		8 171 058
		4 171 064
		6 171 066
		8 171 068
	length 35 cm, stainless steel, one end dented	1 – 3 171 071
		4 – 6 171 074
Tube collar	Used as a weight for the aspiration tube or as a clamp spacer for the dispensing tube	

* ID... inner diameter

** only for pumping applications

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