

INTEGRA



DOSE IT

Compact and Easy-to-use
Peristaltic Pump

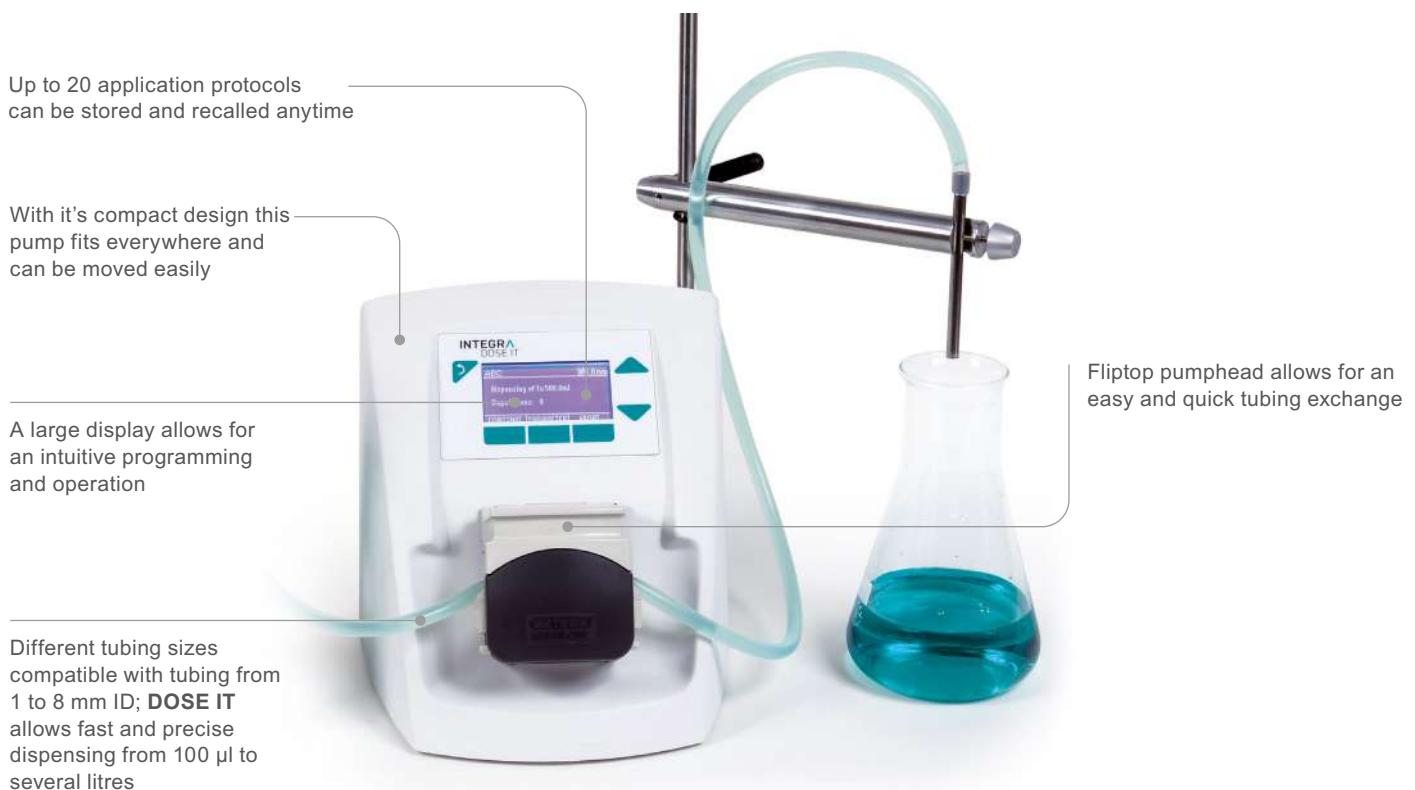
Compact design
fits everywhere

20 protocols
stored and recalled

Tubing sizes (1 - 8 mm)
volumes from milliliters to litres



LIGHT WEIGHT AND FITS EVERYWHERE



DOSE IT

Peristaltic Pump

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 straightforward 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.

Versatility

The **DOSE IT** pump head accommodates different tubing sizes (1 - 8 mm) so that a wide range of volumes – from milliliters to litres – 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.

Second pump attached



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.

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



Media Dispensing



Coating of Petri dishes



Serial dilutions



Density Gradients



Customized Applications

Ordering information

Visit the *parts and numbers* section on our website to view all available accessories and consumables.

Instrument		Part no.
DOSE IT	Peristaltic pump complete with:	171 000
	<ul style="list-style-type: none"> • 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 	
DOSE IT 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
DOSE IT consumables		ID (mm)*
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 6 171 036 8 171 038**
Aspiration / dispensing tube	length 10 cm, stainless steel, one end dented	1 171 051 2 171 052 3 171 053 4 171 054 6 171 056 8 171 058
	length 35 cm, stainless steel, one end dented	4 171 064 6 171 066 8 171 068
Tube collar	Used as a weight for the aspiration tube or as a clamp spacer for the dispensing tube	1 - 3 171 071 4 - 6 171 074

* ID... inner diameter ** only for pumping applications

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

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