



DOSER / HI-DOSER

Powder dosing instrument

LAMBDA powder dosing instrument offers safe, controlled and reproducible dosing or feeding of crystalline or powdery substances at laboratory scale. It allows the automatic or continuous addition of powders, powdery and crystalline substances.

The dosing rates of the powder DOSER and Hi-DOSER can be selected over a large range (3 decades), e.g. dosing range of NaCl in DOSER: 50 mg/min to 50 g/min and Hi-DOSER: 250 mg/min to 250 g/min.

The powder dosing units can get delivered with 0.2 L vessel, ~ 1 L vessel or ~3 L vessel.

DOSER & Hi-DOSER solid feeder / powder pump will modernize your laboratory!

TYPES OF POWDER DOSING UNITS

DOSER 0.2L

DOSER unit with ~0.2 l glass vessel

Art. No.: 5812



DOSER 1L

DOSER unit with ~1 l glass vessel

Art. No.: 5812-L



DOSER 3L

DOSER unit with ~3 l glass vessel

Art. No.: 5812-3L



Hi-DOSER 1L

Hi-DOSER unit with ~1 l glass vessel

Art. No.: 5813-1L



Hi-DOSER 3L

Hi-DOSER unit with ~3 l glass vessel

Art. No.: 5813



For bigger volumes, the side neck in the glass vessel helps to refill during operation. The vessel can get delivered with a gassing plug to introduce / purge the glass vessel with the desired gas flow (e.g. N₂, Ar, etc.), particularly useful while dispensing oxygen sensitive or hygroscopic substances.

With the LAMBDA powder dispensing units, the addition of powdery chemicals in the lab become reproducible, safe and conform to modern safety and quality rules (GLP).

TECHNICAL SPECIFICATIONS

	DOSER	HI-DOSER
Type	LAMBDA DOSER – microprocessor-controlled programmable powder dosing instrument	LAMBDA Hi-DOSER – microprocessor-controlled programmable powder dosing instrument
Programming	Up to 27 steps of speed and time	Up to 99 steps of speed and time
Time resolution	0 to 999 minutes in 1 minute steps or 0 to 99.9 minutes in 0.1 minute steps: time resolution can be selected individually for each program step	
Motor	Microprocessor controlled stepping motor	Microprocessor controlled brushless long life BLDC motor with neodymium magnets
Power supply	95–240 V/50–60 Hz AC plug-in power supply with DC 12V/12W output; possible field operation on 12 V accumulator (plug type: AU, EU, UK, US)	90–240 V/50–60 Hz AC plug-in power supply with DC 12V/50W output; possible field operation on 12 V accumulator (plug type: AU, EU, UK, US)
Volume	Approx. 0.2 l, 1 l and 3 l glass vessel	Approx. 1 l and 3 l glass vessel
Dimensions	Motor unit: 6 (H) x 7 (W) x 13 (D) cm Glass vessel 0.2 l: 30 (H) x 12 (W) x 5 (D) cm Glass vessel 1 l: 30 (H) x 18 (W) x 14 (D) cm Glass vessel 3 l: 38 (H) x 21 (W) x 17.5 (D) cm	Motor unit: 10.5 (W) x 9.5 (H) x 13 (D) cm Glass vessel 1 l: 30 (H) x 18 (W) x 14 (D) cm Glass vessel 3 l: 38 (H) x 21 (W) x 17.5 (D) cm
Speed control range	0 to 999	
Non-volatile memory	Storage of all settings	
Interface	RS-485 or RS-232	
Remote control	0-10 V (dosing speed control); 3-12 V DC (ON/OFF control); option 0-20 or 4-20 mA; foot switch	
Operation humidity	0-90% RH, not condensing	
Operation temperature	0 - 40 °C	
Safety	CE, meets IEC 1010/1 norm for laboratory instruments	

For quotations, prices and further questions, please contact us at: support@lambda-instruments.com