

# DOSER

LAMBDA 



## LAMBDA DOSER

A laboratory instrument allows the automatic or continuous addition of solids.

This instrument, composed of a dosing unit coupled to a stepping motor controlled by modern electronics, allows constant and reproducible dosing even of solids which flow difficultly. A remote controller allows the doser to be used in automatically controlled reactions.

This instrument will modernize your laboratory.

## PROPERTIES OF THE LAMBDA DOSER

### Capacity

ca. 200 ml (corresponding to 250 g NaCl, 200 g NaHCO<sub>3</sub>, 150 g sucrose). This capacity is optimal for most laboratory applications.

### Rate of addition

from ca. 50 mg to 50 g NaCl/ min. The rate can be selected digitally in 1000 steps. The digital setting allows a good reproducibility of rate adjustments.

### Assembling and cleaning

the apparatus has been constructed for easy assembly and cleaning.  
Doser can be coupled to all common glass apparatuses having standardized grounded fittings NS 29/32 or carrying threaded connectors SVL. All parts coming into contact with chemicals are made of resistant materials.

### Small dimensions

special attention has been paid to minimising the dimensions of all parts of the doser. The doser can be adapted easily to complex laboratory installations.

### Robust

construction and high quality material assures a long life of the doser

### Airtight

several seals make the doser air-tight. Therefore it can be utilised with a small over- or underpressure. The instrument can also be flushed by a neutral gas if it is necessary for a given reaction.

### Economical

automatic dosage frees technicians for other work. Due to better reproducibility and elimination of errors the number of experiments can be reduced.  
Excellent price/quality ratio.

### Remote control

of the speed of addition over the whole range by applying a voltage of 0 to 1 V.  
ON/OFF control through an external contact or 12 V signal.

### Quantification

the doser can be connected to the integrator, which allows quantification of the amount of solids added as a function of time. This is of importance when the doser is controlled by a controller (e.g. pH-stat, thermostat, etc.)

### Guaranty: 2 years

**Technical data:** control unit: 13 × 7 × 6 cm (L × W × D)  
dosing part: 30 × 12 × 5 cm (L × W × D)

Power supply: 12 VDC, 5 W by mains adaptor

Remote control: 0–1 VDC, 12 VDC

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