

Solids Dispenser SDB-1

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The bench-top **Solids Dispenser SDB-1** can dispense calibrated volumetric doses (and multiples) of solids in a highly precise and repeatable fashion.

The SDB-1 increases lab productivity and at the same time ensures process accuracy. Compared to other techniques the volumetric dispensing is particularly fast (2.5-3.5sec. per dose). Due to its compact benchtop configuration it is easy to integrate in the workflow and alleviates tedious repetitive tasks. The dispensing heads are interchangeable to enable running several materials with different dose size and no cross-contamination.

A small dispensing head is capable of dispensing from 5 mg up to 250 mg in a single shot, or higher for incremental dispensing. A large dispensing head can dispense from 5 mg up to 5 grams and multiples. We also offer customised solutions, e.g. for automation.



Workflow

- Solids are introduced into the device by attaching standard glass vials containing the sample (for small dispensing heads) or containers (large dispensing heads). Glass vials are available in standard sizes, and containers can be customized to process requirements.
- Dispensing heads are detachable and can be swapped for rapid switch of material without cleaning.
- Powder doses can be selected in 1-99 incremental volume steps with dispensing cycles displayed.

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Performance

- Volumetric dispensing head calibrated to your specific requirement
- Up to 99 pre-selectable repeat doses for higher volumes.

Features

- Exchangeable dispensing heads, and volumetric dispensing disk.



Specifications

- Typical single dose size: 5 milligrams to 5 grams
- Accuracy: +/- 3%, depending on materials
- Dosing cycle time: 2.5 - 3.5 sec.
- Sample vials: O 28 mm glass screwthread, available in 40ml or 60 ml or container 250ml-1000ml
- Size: 120 mm x 200 mm x 450 mm
- Weight: 3 kg
- Power Supply switching: 115V / 230V
- Power rating: 15W

