TECHNICAL DATA SHEET

ALab™ DispensMate-E Bottle-Top Dispenser

Bottle-top dispenser · 0.5 to 60 mL · five volume ranges · safety shut-off valve



ALab™ DispensMate-E Bottle-Top Dispenser

The ALab™ DispensMate-E bottle-top dispenser; image shown for reference.

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SECTION I

Product Overview

The ALab™ DispensMate-E Bottle-Top Dispenser is a simple dispenser for routine liquid dispensing. Published specifications cover five volume ranges from 0.5–2.5 mL to 10–60 mL. A digital volume window with a gear slot design, a floating piston and a safety shut-off valve make dispensing accurate, smooth and safe.

The tube end safety cap stops residual liquid from flowing out, and bottle neck adapters fit reagent bottles of different sizes. The dispenser has excellent chemical resistance and is easy and economical to clean and maintain.

SECTION II

Core Advantages

- **Volume** — digital window, gear slot
- **Safety** — shut-off valve
- **Bottles — neck adapters S40 to GL28**
- **Piston** — floating, smooth action
- **Discharge** — tube end safety cap
- **Care** — easy cleaning

SECTION III

Specifications

Technical data — DispensMate-E

Specifications	
Brand	ALab™ by ACS Material
Model	DispensMate-E
SKU #	Parent ALDISE00; ALDISE02 to ALDISE05
Product type	Bottle-top dispenser
Volume ranges	0.5–2.5, 1–5, 2–10, 5–30, 10–60 mL
Volume setting	Rotating scale adjustment knob, digital window
Materials	PTFE, FEP, PVC, PP
Bottle neck adapter sizes	S40 (45/40 mm), GL32 (45/32 mm), GL38 (45/38 mm), GL25 (32/25 mm), GL28 (32/28 mm)
Maximum pressure	500 mbar
Maximum viscosity	500 mm^2/s
Maximum liquid temperature	40°C
Maximum liquid density	2.2 g/cm^3
Safety features	Safety shut-off valve; tube end safety cap

Volume ranges and accuracy

Range (mL)	Grad. (mL)	Test vol. (mL)	Syst. (±%)	Syst. (±µL)	Random (±%)	Random (±µL)
0.5–2.5	0.05	0.5	5	25	1	5
0.5–2.5	0.05	1.25	1	12.5	0.2	2.5
0.5–2.5	0.05	2.5	0.5	12.5	0.1	2.5
1–5	0.1	1	5	50	1	10
1–5	0.1	2.5	1	25	0.2	5
1–5	0.1	5	0.5	25	0.1	5
2–10	0.2	2	5	100	1	20
2–10	0.2	5	1	50	0.2	10
2–10	0.2	10	0.5	50	0.1	10
5–30	0.5	5	5	250	1	50
5–30	0.5	15	1	150	0.2	30
5–30	0.5	30	0.5	150	0.1	30
10–60	1	10	5	500	1	100
10–60	1	30	1	300	0.2	60
10–60	1	60	0.5	300	0.1	60

Systematic and random error values are shown at the test volumes listed for each range.

Scope of delivery

— Standard configuration: DispensMate-E bottle-top dispenser of the selected volume range.

SECTION IV

Applications

Routine liquid dispensing directly from the reagent bottle in chemistry, biology, pharmaceuticals, food, environmental monitoring, and scientific research and education.

Choose the range by the volume dispensed and keep within the liquid limits (500 mbar, 500 mm^2/s, 40°C, 2.2 g/cm^3); check chemical compatibility for the intended reagent.

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