

TECHNICAL DATA SHEET

ALab™ HB105-S1/S2 & HB150-S1/S2 Dry Bath Series

Digital Dry Baths · 4 models · room temp+5 to 105°C / 150°C · $\pm 0.2^{\circ}\text{C}$ uniformity at 37°C



ALab™ HB105-S1/S2 & HB150-S1/S2 Dry Bath Series

The ALab™ HB105-S1 dry bath (photo of the HB105-S1; the page covers four models). Image shown for reference.

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SECTION I

Product Overview

The ALab™ HB105-S1/S2 and HB150-S1/S2 are microprocessor controlled digital dry baths that offer control over both temperature and time, eliminating the need for an external thermometer or timer. They are used to thaw, boil, incubate and warm samples for different applications in molecular biology, assay preparation, tissue/cell culture, biochemistry, genetics, histology, clinical, environmental and industrial laboratories.

Temperature range room temp+5 to 105°C (HB105) and room temp+5 to 150°C (HB150); temperature uniformity $\pm 0.2^{\circ}\text{C}$ at 37°C; LED display, time setting range 0min~99h59min and an external sensor (PT1000). Single and double heat block modules are available; S1: 100 W, S2: 200 W.

SECTION II

Core Advantages

- **Models** — HB105 / HB150, S1 / S2
- **Range** — room temp+5 to 105 / 150°C
- **Uniformity** — $\pm 0.2^{\circ}\text{C}$ @ 37°C
- **Display** — LED, timer, buzzer
- **Sensor** — external PT1000
- **Blocks** — 10 listed items

SECTION III

Specifications

Technical data — HB105-S1 / S2 • HB150-S1 / S2

Specifications	
Brand	ALab™ by ACS Material
Model	HB105-S1, HB105-S2, HB150-S1, HB150-S2
SKU #	ALHB1500
Temperature uniformity @ 37°C [°C]	± 0.2
Time setting range	0min~99h59min
External sensor	Yes
Display	LED
Voltage, frequency	110/220V, 50/60HZ
External dimension [W×D×H]	290×210×120
Weight [kg]	3.2
Operating temperature [°C]	10~40
Operating humidity [% RH]	<80

Specifications by model — HB105-S1 / S2 • HB150-S1 / S2

Specifications by model		
Parameter	HB105-S1 / S2	HB150-S1 / S2
Temperature range [°C]	Room temp+5 to 105	Room temp+5 to 150
Temperature setting range [°C]	25–105	25–150
Temperature control accuracy [°C]	25–90: ±0.3; 90–105: ±0.6	25–90: ±0.3; 90–150: ±0.6
Temperature uniformity @ 37°C [°C]	±0.2	±0.2
Power [W]	HB105-S1: 100; HB105-S2: 200	HB150-S1: 100; HB150-S2: 200
Time setting range	0min~99h59min	0min~99h59min
External sensor	Yes	Yes
Display	LED	LED
Voltage, frequency	110/220V, 50/60HZ	110/220V, 50/60HZ
External dimension [W×D×H]	290×210×120	290×210×120
Weight [kg]	3.2	3.2
Operating temperature [°C]	10–40	10–40
Operating humidity [% RH]	<80	<80

Heating blocks — HB105-S1 / HB105-S2 / HB150-S1 / HB150-S2

Heating blocks		
Capacity	Cat. No.	Diameter×depth
30×0.2mL	18900459	6.4×20mm
20×0.5mL	18900460	7.85×28.4mm
20×1.5mL	18900461	11×34.7mm
20×2mL	18900462	11×34.7mm
12×5mL	18900463	16.6×46mm
12×15mL	18900464	16.6×73mm
4×50mL	18900465	29.2×73.5mm
Dual purpose block, bead bath/water bath — Adapt to S1	18900522	95×76×56mm
Dual purpose block, bead bath/water bath — Adapt to S2	18900523	151×95×62mm
Aluminum beads	18900520	—

SECTION IV

Applications

Used to thaw, boil, incubate and warm samples for different applications in molecular biology, assay preparation, tissue/cell culture, biochemistry, genetics, histology, clinical, environmental and industrial laboratories.

Product value: four digital dry baths with accurate and uniform temperature control, digital control and display of time and temperature, overheating protection, an external PT1000 sensor and a wide range of heating blocks. Select the model before ordering.

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