

TECHNICAL DATA SHEET

ALab™ Mini HCL100/Mini HC100/Mini H100 Mini Dry Bath

Mini Dry Baths · 3 models · LCD display · Setting: 0–100°C (HCL100/HC100), 25–100°C (H100) · ±0.5°C accuracy



ALab™ Mini HCL100/Mini HC100/Mini H100 Mini Dry Bath

The ALab™ Mini Dry Bath (the brochure photograph is not labelled with a model; the page covers three models). Image shown for reference.

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ACS MATERIAL, LLC

959 E Walnut St., Suite 100
Pasadena, CA 91106, USA

Phone +1 (866) 227-0656

Fax +1 (781) 518-0284

contact@acsmaterial.com

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SECTION I

Product Overview

The ALab™ Mini HCL100, Mini HC100 and Mini H100 are mini, lightweight and safe dry baths with an LCD display, digital control over both temperature and time, a built-in user recalibration function and overheating protection; the Mini HCL100 has a hot lid.

Setting range 0–100°C (Mini HCL100, Mini HC100) and 25–100°C (Mini H100); control accuracy $\pm 0.5^\circ\text{C}$, display accuracy 0.1°C; max. heating rate 8 / 8 / 6.5°C/min; program memory 9 (2 steps for each); 60 W, 100-240V or DC12V; at most 1 kg.

SECTION II

Core Advantages

- **Models** — HCL100 / HC100 / H100
- **Accuracy** — $\pm 0.5^\circ\text{C}$
- **Power** — 100-240V or DC12V
- **Setting** — 0–100 / 25–100°C
- **Display** — LCD
- **Blocks** — 7 listed items

SECTION III

Specifications

Technical data — Mini HCL100 • Mini HC100 • Mini H100

Specifications	
Brand	ALab™ by ACS Material
Model	Mini HCL100, Mini HC100, Mini H100
SKU #	ALMIDB00
Display	LCD
Temperature control accuracy [°C]	± 0.5
Temperature display accuracy [°C]	0.1
Minimum time taken for heating (25°C+100°C)	$\leq 20\text{min}$
Time setting range	0-999min/0-999sec
Program memory	9 (2 steps for each)
Temperature self-calibration	Support
Error code display	Support
Dimension [W×D×H]	110×162×140mm
Total weight [kg]	≤ 1
Voltage, frequency	100-240V, 50/60Hz or DC12V
Power [W]	60
Operating temperature [°C]	+10–40
Operating humidity [% RH]	≤ 80

Specifications by model — Mini HCL100 • Mini HC100 • Mini H100

Specifications by model			
Parameter	Mini HCL100	Mini HC100	Mini H100
Display	LCD	LCD	LCD
Temperature setting range [°C]	0–100	0–100	25–100
Temperature range [°C]	(RT – 23°C) to 100°C	(RT – 23°C) to 100°C	Room temperature+5 to 100
Temperature control accuracy [°C]	±0.5	±0.5	±0.5
Temperature display accuracy [°C]	0.1	0.1	0.1
Minimum time taken for heating (25°C+100°C)	≤20min	≤20min	≤20min
Minimum time for cooling (20°C-0°C)	≤25min	≤25min	—
Max. heating rate	8°C/min	8°C/min	6.5°C/min
Max. cooling rate	3°C/min	3°C/min	—
Time setting range	0-999min/0-999sec	0-999min/0-999sec	0-999min/0-999sec
Program memory	9 (2 steps for each)	9 (2 steps for each)	9 (2 steps for each)
Temperature self-calibration	Support	Support	Support
Error code display	Support	Support	Support
Dimension [W×D×H]	110×162×140mm	110×162×140mm	110×162×140mm
Total weight [kg]	≤1	≤1	≤1
Voltage, frequency	100-240V, 50/60Hz or DC12V	100-240V, 50/60Hz or DC12V	100-240V, 50/60Hz or DC12V
Power [W]	60	60	60
Operating temperature [°C]	+10–40	+10–40	+10–40
Operating humidity [% RH]	≤80	≤80	≤80

RT = room temperature.

Heating blocks — Mini HCL100 / Mini HC100 / Mini H100

Heating blocks		
Capacity	Cat. No.	Diameter×depth
40×0.2mL	18900414	6.4×17mm
24×0.5mL	18900415	8×26mm
15×1.5mL	18900416	11.2×31mm
15×2mL	18900428	11×31mm
6×5mL	18900417	16.2×31mm
4×15mL	18900426	16.6×46mm
2×50mL	18900427	28.8×45mm

SECTION IV

Applications

Useful for rapid and uniform heating of biological samples in applications like preservation, denaturation of nucleic acids and proteins, and many other applications.

Product value: portable, lightweight mini dry baths with an LCD display, digital control of temperature and time, user recalibration, overheating protection and interchangeable blocks for a wide variety of test tube sizes. Select the model before ordering.

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