TECHNICAL DATA SHEET

ALab™ LWB-A-10L Digital Thermostat Water Bath

Digital thermostat water bath, 10L · temperature range RT + 5℃ to 100℃ · capacity 10L · heating power 1000W



ALab™ LWB-A-10L Digital Thermostat Water Bath

The ALab™ LWB-A-10L Digital Thermostat Water Bath; image shown for reference.

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SECTION I

Product Overview

The LWB-A-10L combines microcomputer digital technology with PID control. It controls from RT + 5℃ to 100℃ with a temperature stability of ±0.5℃ at 60℃, and rises from room temperature to 95℃ in 40min. A U-shaped stainless steel heating tube heats uniformly with corrosion resistance and low heat loss; the one-step formed stainless steel inner tank resists high temperature, corrosion and rust. The cover has a glass window for real-time observation, and the LED display shows running and setting information.

SECTION II

Core Advantages

- **Temperature range** — RT + 5℃ to 100℃
- **Heating power** — 1000W
- **Temperature stability** — ±0.5℃ at 60℃
- **Display** — LED
- **Capacity** — 10L
- **Inner tank material** — One-step formed stainless steel
- **Temperature display resolution** — 0.1℃
- **Timer** — Timed working function

SECTION III

Specifications

Technical data — LWB-A-10L

Specifications	
Brand	ALab™ by ACS Material
Model	LWB-A-10L
SKU #	ALLW0300
Product Type	Digital thermostat water bath, 10L
Capacity	10L
Inner tank material	One-step formed stainless steel
Heating element	U-shaped stainless steel heating tube
Temperature control range	RT + 5℃ to 100℃
Temperature control	Microcomputer PID; accuracy ±0.5℃
Temperature stability	±0.5℃ at 60℃
Temperature display resolution	0.1℃
Temperature rise time (RT to 95℃)	40min
Display	LED
Timer	Timed working function
Safety	Dry-burn prevention monitoring; over-temperature protection
Heating power	1000W
Total power	1050W
Input voltage	110-120V 60Hz / 200-240V 50Hz
Dimensions	400×343×290mm
Weight	10kg

The LWB series

Model	Capacity	Heating / total power	RT to 95°C	Dimensions	Weight
LWB-B-2L	2L	250W / 260W	30min	193×233×210mm	4kg
LWB-B-2SL	2L (shallow)	350W / 360W	30min	353×233×210mm	4kg
LWB-B-5L	5L	600W / 650W	40min	400×280×290mm	6.5kg
LWB-A-10L	10L	1000W / 1050W	40min	400×343×290mm	10kg
LWB-A-20L	20L	1500W / 1550W	60min	612×406×360mm	13kg
LWB-A-28L	28L	1500W / 1550W	60min	612×406×360mm	15kg

All six models share RT + 5°C to 100°C, ±0.5°C stability at 60°C, 0.1°C display resolution and 110-120V 60Hz / 200-240V 50Hz input.

Scope of delivery

— Main unit: ALab™ LWB-A-10L Digital Thermostat Water Bath

SECTION IV

Applications

The LWB-A-10L is a 10L digital thermostat water bath for constant-temperature work from RT + 5°C to 100°C, with PID control, a glass-window cover, a stainless steel inner tank and dry-burn and over-temperature protection.

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