

ALEMADR-TSHL Thermo Shaker with heating lid dual block

Product Details

Product Number	PRO6399
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Technical Specification:

ALEMADR-TSHL— Thermo Shaker with Heating Lid (Dry-Block, Dual Block)

ALEMADR-TSHL Thermo Shaker (with heating lid) is a multipurpose thermostatic shaker controlled by a brushless DC motor.

PID intelligent temperature control ensures high accuracy, automatically optimizes heating rate, and reduces waiting time.

Independent heating-lid control helps prevent evaporation and cross-contamination, improving temperature uniformity in tubes.

Overview

ALEMADR-TSHL is designed for sample incubation, catalysis, blending and preservation in microtubes and related tube formats.

It combines stable orbital shaking with precise temperature regulation and an independently controlled heated lid.

Key features

- LCD display for simple setup and real-time monitoring.
- Accurate temperature control with high stability (PID).
- Dual-block design with large capacity.
- Max. speed up to 2000 rpm.
- Heating-lid control modes: automatic or manual.
- Brushless DC motor: quiet operation, long service life, low maintenance.
- Built-in temperature calibration function.
- Built-in over-heating protection for safe, reliable operation.

Technical parameters

Project	Parameter	Project	Parameter
Temp. setting range	0 °C to 100 °C	Multi cycle	Yes (max 99 times)
Temp. control range	RT+5 °C to 100 °C	Auto constant temp. at end of run	Yes
Timing range	1 min to 99 h 59 min / ∞	Auto preheating	Yes
Temp. accuracy	≤ ±0.2 °C @ 37 °C	Auto running	Yes
Display accuracy	0.1 °C	Auto resume to run	Yes
Temp. uniformity	≤ ±0.2 °C @ 37 °C	Block quantity	2
Heating lid temp. setting range	Auto / 0 to +15 °C	Power supply	450 W
Heating lid temp. control mode	Automatic / Manual	Voltage	AC220V or AC110V, 50/60Hz
Shaking speed	200 to 2000 rpm	Fuse	250V 3A Φ5×20
Orbit	2 mm	Dimensions (mm)	296×212×164
Heating time	≤ 15 min (from 25 °C to 100 °C)	Weight	6.9 kg
Multi points running	Yes (max 5 points)		

Optional blocks

Type	Capacity	Max. speed
PRO4484	96 × 0.2 ml PCR plate	2000 rpm
PRO4483	54 × 0.5 ml centrifuge tube	2000 rpm
PRO4307	35 × 1.5 ml centrifuge tube	2000 rpm
PRO4485	35 × 2.0 ml centrifuge tube	2000 rpm
PRO4486	15 × 0.5 ml + 20 × 1.5 ml centrifuge tube	2000 rpm

Additional/custom blocks may be available on request via the **COLO.Science** team.

Need help selecting the correct block type, tube format, or protocol parameters?

Accessories: