

ALEMADR-TPS

Thermo Shaker with Heating Lid • Cooling Fan • Modular Blocks • 200–3000 rpm

ALEMADR-TPS Thermo Shaker is a multipurpose thermostatic shaker equipped with a heating lid and controlled by a brushless DC motor. It uses PID intelligent temperature control to ensure precise temperature regulation, automatically adjust heating rates and reduce waiting time. Independent heating-lid temperature control helps prevent sample evaporation and cross-contamination, while the built-in cooling fan accelerates cooling after heated protocols.

HEATING LID COOLING FAN 200–3000 RPM 2 MM ORBIT 0°C TO 105°C SETTING
RT+5°C TO 105°C CONTROL $\pm 0.3^\circ\text{C}$ ACCURACY 10 PROGRAMS AUTO RESUME SKU PRO2647

Document type: **Technical Specification Sheet**

Product: **ALEMADR-TPS Thermo Shaker with Heating Lid**

Main unit SKU: **PRO2647**

Format: **A4 landscape • TechSpec v2.3**

[ALEMADR-TPS PRODUCT PAGE](#)

[SHAKERS & MIXERS — OVERVIEW](#)

[SHAKERS & MIXERS CATALOGUE](#)

[REQUEST QUOTE](#)



ALEMADR-TPS • thermo shaker with heating lid • main unit • SKU PRO2647



ALEMADR-TPS • open view • modular block area • SKU PRO2647

MODEL

ALEMADR-TPS

ADDRESS / HQ

**Polje ob Sotli 4
SI-3255, Slovenia**

CONTACT

**sales@colo.si
+386 70 713 437**

ALEMADR-TPS • technical specification

Thermostatic shaker with heating lid, cooling fan, modular blocks and programmable operation

[LCD DISPLAY](#)
[PID CONTROL](#)
[HEATING LID](#)
[COOLING FAN](#)
[SHORT MIXING](#)
[10 PROGRAMS](#)
[AUTO PREHEATING](#)
 — Compact thermo shaker for tube, PCR plate and field-oriented sample workflows

Product Overview

Application profile

Sample incubation: controlled dry-block temperature environment for tubes and compatible plates.
Enzymatic reactions: suitable for enzymatic reactions, incubation steps and deactivation processes.
PCR preparation: supports PCR sample preparation and controlled mixing prior to thermal cycling workflows.
Field and mobile workflows: useful for sample transport or remote heating tasks where controlled thermal conditions are required.
Storage support: suitable for controlled-temperature storage of enzymes or DNA libraries in selected workflows.

Key features

Intuitive LCD display: simple setup and real-time monitoring.
High-precision temperature control: PID regulation supports stable and accurate operation.
Modular block design: compatible with standard laboratory tubes and plates; custom blocks may be available on request.
Brushless DC motor: quiet, durable and maintenance-free operation.
Automatic operation: auto preheating, auto running, auto resume and delay timing functions support unattended workflows.
Safety: built-in temperature calibration and overheating protection improve reliability.

Heating lid and cooling advantage

Independent lid control: heating lid can operate in automatic or manual mode.
Evaporation reduction: lid heating helps reduce evaporation during heated tube protocols.
Cross-contamination support: reduced condensation and evaporation help lower contamination risk.
Built-in cooling fan: fan cooling accelerates sample cooling after heating, with cooling time ≤ 12 min from 100°C to 37°C.

Core technical summary

Parameter	Specification
Model	ALEMADR-TPS
Product type	Thermo shaker with heating lid
Shaking speed	200 to 3000 rpm
Orbit	2 mm
Temperature setting range	0°C to 105°C
Temperature control range	RT+5°C to 105°C
Temperature accuracy	$\leq \pm 0.3^\circ\text{C}$
Dimensions	296 × 212 × 164 mm
Weight	6.9 kg

SPEED
 200–3000 rpm

TEMP. SETTING
 0°C to 105°C

FAN COOLING
 ≤ 12 min

PROGRAMS
 S0–S9

RT = room temperature. Final block compatibility, tube type, plate type and protocol settings should be confirmed before official quotation or publication.

[ALEMADR-TPS PRODUCT PAGE](#)

[SHAKERS & MIXERS — OVERVIEW](#)

[SHAKERS & MIXERS CATALOGUE](#)

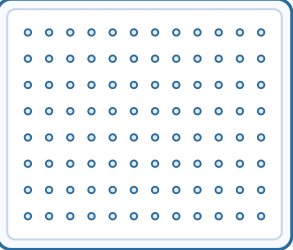
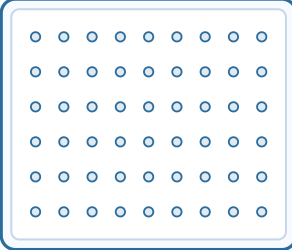
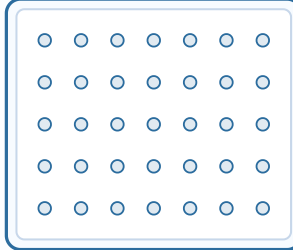
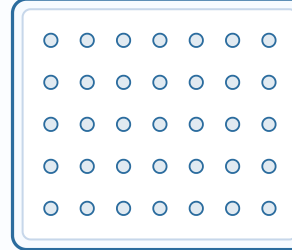
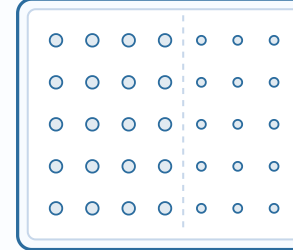
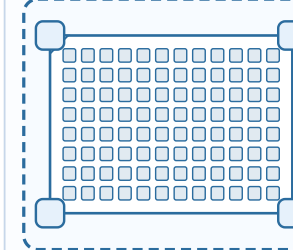
[REQUEST QUOTE](#)

Technical Specifications

Parameter	ALEMADR-TPS	Parameter	ALEMADR-TPS
Temperature setting range	0°C to 105°C	Program number	10 programs, S0–S9
Temperature control range	RT+5°C to 105°C	Multi-point running	Yes, max. 5 points
Time range	1 sec to 99 min 59 sec / 1 min to 99 h 59 min / ∞	Multi-cycle	Yes, max. 99 times
Temperature accuracy	≤ ±0.3°C	Auto heating	Yes
Display accuracy	0.1°C	Auto constant temp. at end of run	Yes
Temperature uniformity	≤ ±0.3°C	Heating lid mode	Automatic / Manual
Speed range	200 to 3000 rpm	Auto running	Yes
Orbit	2 mm	Auto resume to run	Yes
Heating time	≤10 min, 25°C to 100°C	Delay timing function	Yes
Fan cooling time	≤12 min, 100°C to 37°C	Power supply	335 W
Heating lid temp. setting range	OFF / AUTO / 0°C to 110°C	Voltage	AC220V or AC110V / 50–60Hz
Heating lid temp. control range	RT+5°C to 110°C	Fuse	250V 3A Φ5×20
Auto fan function	Yes	Dimensions	296 × 212 × 164 mm
Short mixing function	Yes	Weight	6.9 kg

[ALEMADR-TPS PRODUCT PAGE](#)
[SHAKERS & MIXERS — OVERVIEW](#)
[SHAKERS & MIXERS CATALOGUE](#)
[REQUEST QUOTE](#)

Optional Blocks

 PRO4484 96 × 0.2 ml 8 × 12 — standard	 PRO4483 54 × 0.5 ml 6 × 9 — assumed	 PRO4307 35 × 1.5 ml 5 × 7 — from photo	 PRO4485 35 × 2.0 ml 5 × 7 — from photo	 PRO4486 20 × 1.5 + 15 × 0.5 ml 5 × 7 — from photo	 PRO6373 ELISA / deep-well / TC plate 8 × 12 — plate carrier
---	---	---	--	---	---

Schematic drawing — the hole count comes from the block table. The 8 × 12 layout is standard; the 5 × 7 layout is read from the product photograph, including the mixed block, which is one 5 × 7 body with two tube sizes. The 6 × 9 layout is indicative. PRO6373 runs without a block: the plate is held directly on the platform. Hole diameter, pitch and outer dimensions are to be confirmed against the supplier drawing.

Block type / SKU	Capacity	Maximum speed
PRO4484	96 × 0.2 ml PCR Plate	2500 rpm
PRO4483	54 × 0.5 ml centrifuge tubes	2500 rpm
PRO4307	35 × 1.5 ml centrifuge tubes	2500 rpm
PRO4485	35 × 2.0 ml centrifuge tubes	2500 rpm
PRO4486	20 × 1.5 ml + 15 × 0.5 ml centrifuge tubes	2500 rpm
PRO6373	ELISA plate / deep-well plate / tissue culture plate — without block	3000 rpm

Blocks are manufactured to order: layout, hole size and mixed tube formats can be produced to the laboratory's own requirement. Final block availability, tube compatibility, plate compatibility and protocol parameters are confirmed in the COLO.Science quotation.



ALEMADR-TPS open view • modular block area • SKU PRO2647

Block selection note

Tube blocks: PRO4484, PRO4483, PRO4307, PRO4485 and PRO4486 cover common PCR plate and centrifuge tube formats.

Plate workflow: PRO6373 supports ELISA plate, deep-well plate and tissue culture plate applications without block.

Speed limitation: tube-block configurations are listed up to 2500 rpm, while the plate configuration is listed up to 3000 rpm.

[ALEMADR-TPS PRODUCT PAGE](#)
[SHAKERS & MIXERS — OVERVIEW](#)
[SHAKERS & MIXERS CATALOGUE](#)
[REQUEST QUOTE](#)



ALEMADR-TPS main unit • thermo shaker with heating lid • SKU PRO2647

Ordering information

Item	Value
Model	ALEMADR-TPS
Main unit SKU	PRO2647
Product type	Thermo shaker with heating lid
Speed range	200 to 3000 rpm
Temperature setting range	0°C to 105°C
Heating lid range	OFF / AUTO / 0°C to 110°C
Voltage options	AC220V or AC110V / 50–60Hz

Configuration checklist

Tube or plate format: confirm PCR plate, centrifuge tube, ELISA plate, deep-well plate or tissue culture plate workflow.

Block type: select the correct block SKU or plate configuration.

Temperature profile: define target temperature, heating-lid mode, cooling requirement and protocol duration.

Speed profile: confirm shaking speed, short-mix needs and sample sensitivity.

Power configuration: confirm AC220V or AC110V before order placement.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the tube or plate format, sample volume, target temperature, heating-lid requirement, cooling requirement, shaking speed and protocol duration. COLO.Science can help confirm the correct block type and ALEMADR-TPS configuration.

QUICK CONTACT

 colo.si

 sales@colo.si

 +386 70 713 437

COLO.SCIENCE • THERMO SHAKER CONFIGURATION SUPPORT

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

Send the tube or plate format, sample volume, target temperature, heating-lid requirement, cooling requirement, shaking speed and protocol duration. COLO.Science can help confirm the correct block type and ALEMADR-TPS configuration for your laboratory workflow.

Web: colo.si

Ask us:

Price and current discount, delivery time, block availability, application support for your protocol, installation and operator training, spare blocks and accessories — write to sales@colo.si or call us. If your protocol needs a block or a configuration that is not listed, ask: it is made to order.

[ALEMADR-TPS PRODUCT PAGE](#)

[SHAKERS & MIXERS — OVERVIEW](#)

[SHAKERS & MIXERS CATALOGUE](#)

[REQUEST QUOTE](#)