

ALEMADR-TPS Laboratory Dry Block Thermo Shaker Incubator with heating lid

Product Details

Product Number

PRO2647



Technical Specification:

The ALEMADR-TPS Thermo Shaker is a multipurpose thermostatic shaker equipped with a heating lid and controlled by a brushless DC motor. It utilizes PID intelligent temperature control technology to ensure precise temperature regulation, automatically adjusts heating rates, and minimizes waiting time. The independent heating lid temperature control effectively prevents sample evaporation and cross-contamination, making it ideal for sample incubation, catalysis, blending, and preservation.

Key Features

- Intuitive LCD Display – Simplifies setup and real-time monitoring.
- High-Precision Temperature Control – Ensures excellent stability and accuracy.
- Independent Heating Lid Control – Prevents sample evaporation and cross-infection.
- Built-in Cooling Fan – Accelerates sample cooling post-heating.
- Modular Block Design – Compatible with a variety of standard laboratory tubes and plates; custom blocks available upon request.
- Brushless DC Motor – Quiet, durable, and maintenance-free.
- Automatic Preheating Function – Reduces preparation time.
- Auto Resume Function – Automatically continues operation after power restoration.
- Automatic Running Mode – Enables unattended operation.
- Short Mixing Function – For quick and efficient sample agitation.
- Built-in Temperature Calibration – Ensures long-term accuracy.
- Overheating Protection – Enhances safety and reliability during operation.

Typical Applications

- On-site enzyme or DNA library storage at controlled temperatures.
- Sample transport from field locations while maintaining precise thermal conditions.
- Field-based sample heating for mobile labs or remote research.
- Enzymatic reactions and deactivation processes.
- PCR sample preparation and thermal cycling.

Technical Specifications

Parameter	ALEMADR-TPS
Temperature Setting Range	0°C~105°C
Temperature Control Range	RT+5°C~105°C
Time Range	1 sec ~ 99 min 59 sec / 1 min ~ 99 h 59 min / ∞
Temperature Accuracy	≤±0.3°C
Display Accuracy	0.1°C
Temperature Uniformity	≤±0.3°C
Speed Range	200~3000 rpm
Orbit	2 mm
Heating Time	≤10 min (25°C to 100°C)
Fan Cooling Time	≤12 min (100°C to 37°C)
Heating Lid Temp Setting Range	OFF / AUTO / 0°C~110°C
Heating Lid Temp Control Range	RT+5°C~110°C
Auto Fan Function	Yes
Program Number	10 programs (S0~S9)
Multi-point Running	Yes (Max 5 points)
Multi-cycle	Yes (Max 99 times)
Auto Heating	Yes
Auto Constant Temp at End of Run	Yes
Heating Lid Mode	Automatic / Manual
Auto Running	Yes
Auto Resume to Run	Yes
Delay Timing Function	Yes
Power Supply	335W
Voltage	AC220V or AC110V / 50-60Hz
Fuse	250V 3A Φ5×20
Dimensions	296×212×164 mm
Weight	6.9 kg

Block Type	Capacity	Max 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

Accessories: