

TECHNICAL DATA SHEET

ALab™ CT4-Pro 4°C Thermostatic Ice Box

4°C Thermostatic Ice Box · Peltier cooling · $\pm 0.5^{\circ}\text{C}$ · dual colour LED



ALab™ CT4-Pro 4°C Thermostatic Ice Box

The ALab™ CT4-Pro 4°C Thermostatic Ice Box. Image shown for reference.

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SECTION I

Product Overview

The ALab™ CT4-Pro 4°C Thermostatic Ice Box is a microcomputer-controlled thermostat with high temperature control accuracy and good homogeneity, using high-efficiency Peltier precision temperature control.

Temperature control setting 4°C, accuracy and uniformity $\pm 0.5^{\circ}\text{C}$; cooling speed $\leq 10\text{min}$ (depending on the module); LED dual colour status indicator; continuous running; 80W, 110V/220V, 50/60HZ; 3.3kg.

SECTION II

Core Advantages

- **Setting** — 4°C
- **Cooling** — $\leq 10\text{min}$, Peltier
- **Modules** — magnetic, replaceable
- **Accuracy** — $\pm 0.5^{\circ}\text{C}$
- **Indicator** — dual colour LED
- **Running** — continuous

SECTION III

Specifications

Technical data — CT4-Pro

Specifications	
Brand	ALab™ by ACS Material
Model	CT4-Pro
SKU #	ALCT4O00
Functions	Cooling
Temperature control setting	4°C
Temperature control accuracy	$\pm 0.5^{\circ}\text{C}$
Temperature uniformity	$\pm 0.5^{\circ}\text{C}$
Status indicator	LED Dual Colour (Red&Green)
Cooling speed	$\leq 10\text{min}$ (depending on the module)
Running state	Continuous
Noise level	$\leq 55\text{dB}$
Protection class	IP20
Voltage	110V/220V
Frequency	50/60HZ
Power	80W
Dimensions [L×W×H]	200×235×120
Weight	3.3kg
Permissible ambient temperature and humidity	$5-40^{\circ}\text{C}$, 80%RH

SECTION IV

Applications

Widely used for sample preservation, pre-denaturation of DNA amplification products and electrophoresis, serum coagulation, etc. The industry covers pharmaceutical, chemical, food safety and environmental testing.

Product value: fast cooling and high stability with Peltier precision temperature control, multi-colour status LEDs, a built-in module reminder, a compact footprint and replaceable magnetic modules that support continuous operation.

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