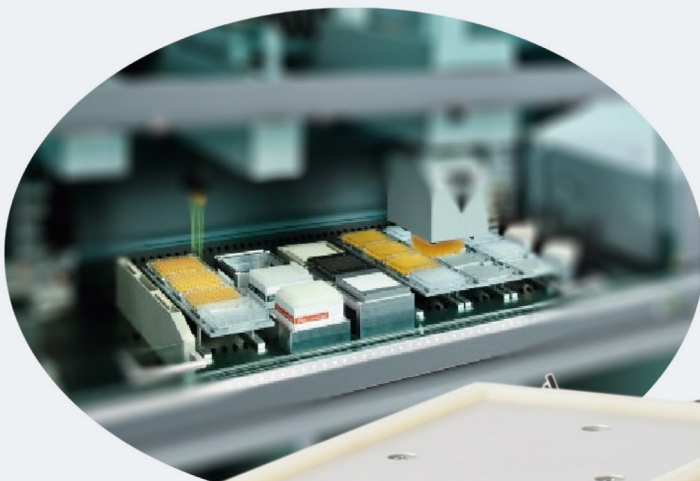


# ECU831

## Thermal Unit



*Specially Designed for Workstations*

**Peltier Technology**

**With RS232 / CAN to  
connect to the work-  
station.**

**Remote Control  
Easy Layout**

**Small Volume  
Save Space**

## 01 Introduction

This unit adopts Peltier technology. With communication interface, it can access automated nucleic acid extractor and workstation system to realize remote control. Compact design, space saving and easy layout. Mainly used in the workstation for incubation, cracking, refrigeration, fixed-point constant temperature and other access. It can be customized according to customer's needs.

## 02 Instrument structure



Thermal Block



Controller



Thermal Unit

## 03 Specifications

Specifications of ECU831 Thermal Unit		
Including	Controller+Thermal block+Cable	Need space for hot air flow
Standard Block	96*0.2ml microplate	Blocks are customizable
Control mode	Fixed point, with Peltier technology, constant current control, air cooling	
Temperature range	4°C~70°C	@10°C~30°C ambient temperature
Heating time	≤5min (from 23°C to 70°C)	@23°C±2°C, with block only
Cooling time	≤10min(from 23°C to 4°C)	
Temperature accuracy	±0.5°C (15°C~70°C) ±1°C (4°C~15°C)	
Control precision	0.1°C	
Power input	DC24V 120W	Connect to workstation
Communication Interface	RS232/CAN Optional	Built-in isolator
Dimension L*W*H	Thermal block: 140x95x79.3 mm	
	Controller: 155x105x40 mm	
weight	≈1.2kg	

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