

ECU831

Controllable Thermal Unit

Specially designed for workstations!

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



Features

- Peltier technology
- With RS232/CAN to connect to the workstation.
- Remote control, easy Layout.
- Small size, space saving.

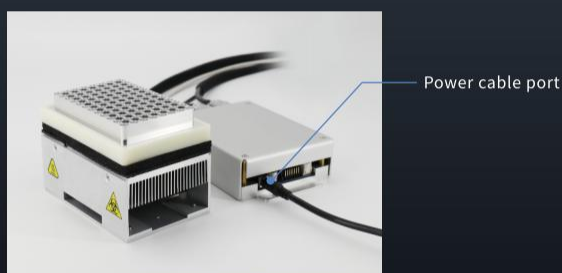
Shape Structure



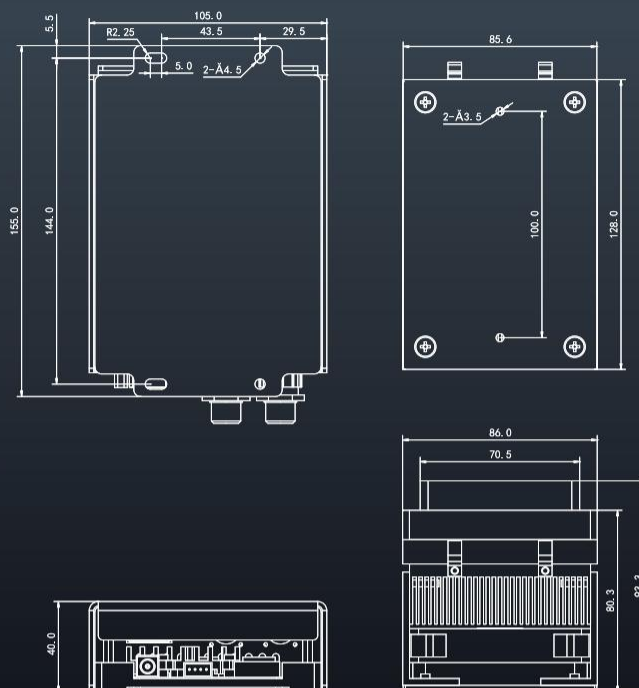
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Installation Connection



Installation Dimension(mm)



Performance Parameters

Specifications of ECU831 Controllable 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 ± 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: 140*95*79.3mm	
	Controller: 155*105*40mm	
	Carton size: 360*300*250mm	
Weight	Net weight: ≈1.2kg	
	Gross weight: ≈4.2kg	

Note: The above parameters are based on the 96-well PCR block. The parameters of the customized block are subject to the actual test.