Peltier-Cooled Incubators

Semiconductor refrigeration incubator uses Peltier (semiconductor) refrigeration technology to achieve low temperature control of the incubator, which has the advantages of energy saving, environmental protection and high efficiency, and has heating and cooling functions. It is an ideal constant temperature equipment for the cultivation of bacteria, mold and other microorganisms in a low temperature environment, as well as sample storage, plant cultivation, plant breeding and other tests. Widely used in environmental protection, health and epidemic prevention, drug testing, agriculture and livestock, aquatic products, universities, research institutes and other fields of major laboratories.



◎Characteristics:

- Controller color screen LCD display, fuzzy PID control technology, accurate and stable temperature control.
- Double-layer door structure, the inner door adopts high-quality tempered glass to facilitate the observation of samples, the outer door adopts magnetic rubber strip, easy to open and close, good sealing.
- Standard UV germicidal lamp, with sterilization timing function, standard built-in universal socket, convenient internal equipment power supply.
- Industrial medical grade semiconductor refrigeration system, to ensure the long-term stable operation of the refrigeration system, energy saving and environmental protection maintenance is convenient.
- The same specification can be superimposed to save laboratory space and improve space utilization.

◎Main Technical Parameters:

Model		TPI-45	TPI-70
Circulation Mode		Forced Convection	
Function	Temp Range	RT minus 20°C--65°C	
	Temp Resolution Ratio	0.1°C	
	Temp Fluctuation	±0.5°C	
	Temperature distribution accuracy	±0.5°C(37°C)	
Structure	Inner Chamber	Mirror stainless steel plate	
	Outer Shelf	Cold-rolled steel plate, surface electrostatic spraying	
	Insulation Layer	Polyurethane	
	Heater	Heater Plate	
	Refrigerator	Semiconductor Chilling Plate	
	Power Rating	0.35kW	0.5kW
Controller	Temp Control Mode	Intelligent fuzzy PID	
	Temp Setting Mode	Touch Type Key Setting	
	Tempe Display Mode Representation	Measuring the temperature four-bit liquid crystal display in the upper row, setting the temperature four-bit liquid crystal display in the lower row.	
	Timer	0-9999 minutes (with timing wait function)	
	Operation Function	Fixed value operation, timed operation, automatic stop.	
	Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power off parameter memory.	
	Sensor	PT100	
Safety Device		Overtemperature sound and light alarm	
Specification	Inner Chamber(W*L*Hmm)	330*320*430	415*350*500
	Exterior Size(W*L*H mm)	415*445*758	500*475*828
	Packing Size(W*L*H mm)	535*565*933	620*595*1003
	Inner Volume	45L	70L
	Power Supply (50/60 Hz) Rated Current	AC220V/1.6A	AC220V/2.3A
	NW/GW(kg)	20\25	35\45
Optional Accessories		Partition board, USB communication port	