

# Semiconductor Refrigeration Incubator /Peltier Incubator

Semiconductor refrigeration low temperature 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 preservation, 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:

- LCD color screen,PID control technology, temperature is accurate and stable;
- It has a glass inner door, which is convenient for experimental observation. At the same time, the chamber behind the glass door is equipped with a door control switch, and the switch is linked with the control system;
- The new semiconductor refrigeration system ensures the long-term stable operation of the refrigeration system;
- Stacking foot design. The machine can be stacked to save space, which can improve usage efficiency (same specification).

### Main Technical Parameters:

Modle		FPI-45	FPI-70
Cycle Mode		Forced Convection	
Function	Temp.Range	20℃~65℃	
	Temp.Resolution Radio	0.1℃	
	Temp.Motion	± 0.5℃	
	Temp.Uniformity	± 0.5℃(37℃)	
Structure	Inner Chamber	Mirror Stainless Steel	
	Outer Shell	Cold rolling steel electrostatic spraying exterior	
	Insulation Layer	Polyurethane	
	Heater	Heating Element	
	Refrigerator	Semiconductor Chilling Plate	
	Power Rating	0.35kW	0.5kW
Controller	Temp.Control Mode	Intelligent PID	
	Temp.Setting Mode	Touch button setting	
	Temp.Display Mode	Display on LCD	
	Timer	0-9999min(with timing wait function)	
	Operation Function	Fixed temperature operation, fixed timing operation, auto stop.	
	Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking. power-off parameter memory	
	Sensor	PT100	
Safety Device		Over temperature sound-light alarm	
Specification	Inner Chamber Size(W*L*H)(mm)	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
	Volume	45L	70L
	Current Rating(50/60HZ)	AC220V/1.6A	AC220V/2.3A
	NW/GW(KG)	20\25	35\45
Optional Accessories			