

Low temperature incubator



These low temperature incubators are capable of 4 step-program control with a high accuracy microprocessor (cooler: on-off control, heater: proportional control). Stainless steel shelves are coated with anti-bacterial resin to prevent bacterial contamination inside the chamber. A wide variety of chambers are available in size ranging 50L, 130L, 207L, 259L, and 408L.

Features

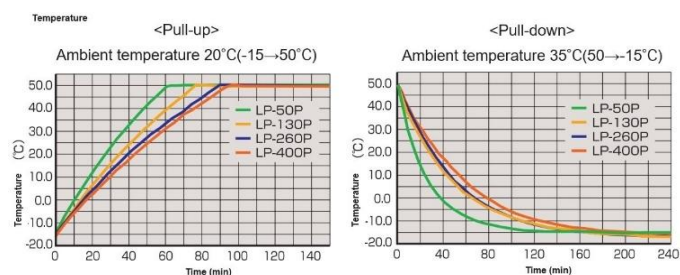
- Four step-program control operation
- Automatic alarms controlled by a microprocessor, a buzzer alarm as well as an alarm display on the operational panel (buzzer alarm is optional in model LP-50P).
- Prompt cooling to -15°C .
- Easy-to-use operational panel with digital display
- Cooler: on-off control, heater: proportional control
- Shelves and measurement opening are coated with anti-bacterial resin to prevent bacterial contamination.
- Option: illuminating lamp.

Example: Two cycles of 4 steps



Temperature distribution in the chamber

Temperature setting	5.0°C	10°C	25°C
Highest temperature	6.2°C	11.0°C	25.3°C
Lowest temperature	2.0°C	6.4°C	22.3°C
Average temperature	4.8°C	9.5°C	24.7°C
Deviation from the set value	-0.2°C	-0.5°C	-0.3°C



Applications

- Plant tissue culture, germination tests
- Breeding of Insects or small animals
- Culture of microorganisms, such as bacteria, viruses, and fungi
- BOD-testing for water quality and storage of test samples
- Biochemical experiments at low temperature, such as electrophoresis
- Quality testing of pharmaceuticals, cosmetics or foods, etc.



Control panel for LP-130/200/260/400P

Specifications

Model	LP-50P	LP-130P	LP-200P
Outer dimensions (WxDxH) [mm]	483 × 554 × 690	700 × 602 × 1107	700 × 832 × 1107
Inner dimensions (WxDxH) [mm]	400 × 335 × 370	620 × 340 × 584	620 × 545 × 584
Control system	Controlled by microprocessors with digital display, forced air circulation system		
Temperature range	-15°C to +50°C (environmental temperature of 30°C without loading)		
Illumination	—	Fluorescent lamp 15W	
Maximum power consumption	310 W	460 W	780 W
Weight	40 kg	80 kg	95 kg
Power requirement	Single phase 100V 50/60Hz 15A		

Model	LP-260P	LP-400P
Outer dimensions (WxDxH) [mm]	700 × 602 × 1,677	700 × 832 × 1,677
Inner dimensions (WxDxH) [mm]	620 × 340 × 1,154	620 × 545 × 1,154
Control system	Controlled by microprocessors with digital display, forced air circulation system	
Temperature range	-15°C to +50°C (environmental temperature of 30°C without loading)	
Illumination	Fluorescent lamp 15W	
Maximum power consumption	800 W	830 W
Weight	110 kg	125 kg
Power requirement	Single phase 100V 50/60Hz 15A	