

JSBI-250D Series

250 Liter DUAL CHAMBER

REFRIGERATED INCUBATOR

0 °C ~ 70 °C

Dual Chamber Refrigerated BOD Incubator provides 2 chambers x 250 liter capacity with individual temperature control.

It gives an excellent performance for incubation of microorganisms, BOD (Biological Oxygen Demand) Test and various QA / QC Tests.

Features

Performance

Temperature Range : 0 °C to 70 °C

Temperature Accuracy : within +/- 0.2 °C

Temperature Uniformity : within +/- 0.5 °C

Forced air convection for excellent thermal accuracy and uniformity.

Aero-dynamic chamber designed with circulation blower to achieve superior thermal uniformity.

Separated heating and cooling compartment located on the back wall for contamination free and maintenance free.

Hermetically Sealed Air Cooled Compressor

Construction

Durable epoxy powder coated metallic casing.

Corrosion resistant Stainless Steel 304 chamber with seamless round cornered edge allows easy cleaning and prevents leakage.

Tempered Safety Inner Glass Door for easy observation of samples.

Convenience

Outer door with self-adhesive magnetic packing.

Inner Glass Door with high density silicone gasket and air-tight Door Lock.

Removable and adjustable shelf by 25mm spacing.

Safety

DUAL OVER TEMPERATURE CUT-OFF BY CONTROLLER
AND INDEPENDENT THERMOSTAT

HIGH TEMPERATURE CUT-OFF AND AUDIO VISUAL ALARM

LOW TEMPERATURE CUT-OFF AND AUDIO VISUAL ALARM

PT SENSOR SHORT OR DISCONNECTION AUDIO VISUAL ALARM

OVER CURRENT CUT-OFF



JSBI-250DCPL Programmable Refrigerated Incubator
with Light , 2 x 250 liter

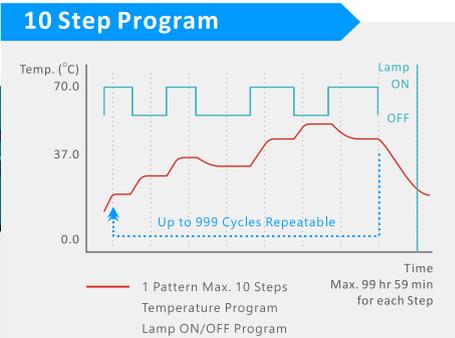
Featured Controller

JIC-CON 5th GEN

Controller Highlights

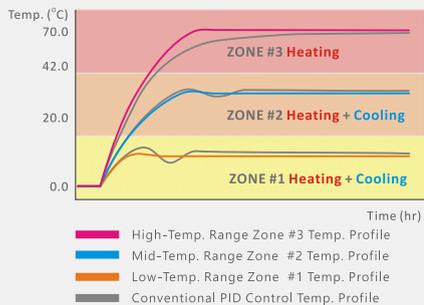
- ▶ 16-bit Digital Microprocessor PID Controller.
- ▶ High-fidelity clear back light LCD displays complete settings and operating conditions with high readability.
- ▶ UV Coated Water-Proof Polycarbonate Touch Panel.
- ▶ Easy-to-use Encoder Type Jog Dial for quick and convenient temperature and time setting.
- ▶ 0.1 °C control resolution.
- ▶ Turn-On and Turn-Off Timer up to 99 hour 59 min.
- ▶ Temperature and Timer memory function.
- ▶ 10 Step, 999 Cycle Program. [JSBI-250DCP]
- ▶ 10 Step Light ON/OFF Program. [JSBI-250DCPL]
- ▶ Temperature and Timer automatically resume after power restoration.
- ▶ Class A Pt-100 Ohm Sensor.
- ▶ RS-232C PC Communication Interface. [OPTION]

- 3-ZONE PID Algorithm**
- 3-Point Calibration**
- 1-Point Offset**
- 10-Step 999-Cycle Program**
- 10-Step Day-Night Program**



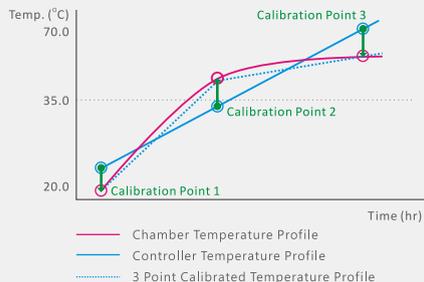
User can create 10 Steps of varying temperature and Lamp ON/OFF program and save it in memory for repeated use. Program can be repeated up to Max. 999 Cycles. [JSBI-250DCP, 250DCPL]

3-ZONE PID Algorithm



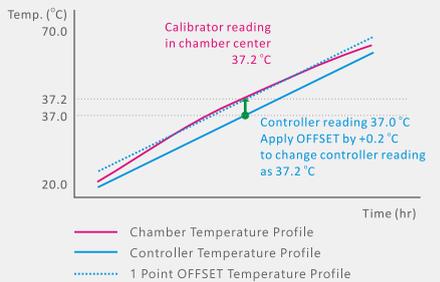
Complete temperature range is divided into three zones (LOW/MIDDLE/HIGH) and each ZONE has its individual PID algorithm to provide precise and superior temperature control characteristic of whole temperature range.

3-Point Calibration



An excellent calibration tool to calibrate chamber at THREE DIFFERENT TEMPERATURE POINTS to adjust multiple temperature bias to increase temperature accuracy of WHOLE TEMPERATURE RANGE.

1-Point Offset



Provides simple and easy calibration tool to calibrate chamber at ONE SPECIFIC TEMPERATURE POINT of frequent use.

Specifications

Model	JSBI-250DC	JSBI-250DCP	JSBI-250DCPL
Controller			
Temperature Program	Fixed Temp.	10 Step Program	10 Step Program
Lamp Program	X	X	Light ON/OFF
Dimension Data			
Chamber Volume	2 x 250 Liters		
Inner Dims. (WxDxH) mm	500 x 500 x 1000		
Outer Dims. (WxDxH) mm	1365 x 825 x 1760		
Window Dims. (WxH) mm	561 x 1077		
No. of Shelf Positions	36 ea / chamber		
No. of Shelf Included	6 ea		
Performance Data			
Heating & Cooling System	Forced Convection with Hermetically Sleaed Air Cooled Compressor		
Temperature Range	0 °C to 70 °C, 0.1 °C resolution		
Temperature Accuracy at 20.0 °C	+/- 0.2 °C		
Temperature Uniformity at 20.0 °C	+/- 0.5 °C		
Controller			
Type	Digital Microprocessor PID Temp. Controller with Capacitive Touch Button and Jog Dial		
Display	Full Size Digital Back Light Graphic LCD Display		
Control Logic	3 Group Zone PID Control		
Calibration	1 Point Temperature Offset 3 Point Temperature Calibration		
Auto-Start Timer	Max. 99 hr 59 min by 1 min resolution		
Auto-Stop Timer	Max. 99 hr 59 min by 1 min resolution		
Sensor	Class A Pt-100 Ohm Sensor		
Power Restoration	Power and Timer Restoration Function in case of power outage		
Communication Interface	RS-232C Communication Interface [OPTION]		
Material Data			
Body	Epoxy Powder Coated Steel		
Chamber	Stainlss Steel 304 (AISI304)		
Inner Glass Door	5.0 mm Thick Tempered Safety Glass Door		
Safety Data			
Safety Device	Door Open / Over Temperature / Over Cooling / Over Current Protection Audio Visual Alarm		
Electrical Data			
Power Requirement	220 +/- 10% VAC 50/60 Hz 1 Phase		
Power Consumption	1.8 kW 8.2 amp / chamber		
Plug Configuration	CEE 7/7 Schuko or BS 1363 / chamber		
Usable Condition			
Temp. & Humidity	5 °C - 40 °C, 80% RH Max.		



JS Research Inc.
 Gongju-City, KOREA
 info@jsresearch.co.kr
 www.jsr.kr

JSBI-250D

250 Liter
DUAL CHAMBER
REFRIGERATED
INCUBATOR
0°C ~ 70°C

Ordering Information

Art. Number	Descriptions
JSBI-250DC	Dual Chamber Refrigerated Incubator 2 x 250 Liter 220 VAC 1 ph 50/60Hz
JSBI-250DCP	Dual Chamber Refrigerated Incubator 2 x 250 Liter 220 VAC 1 ph 50/60Hz Programmable Controller
JSBI-250DCPL	Dual Chamber Refrigerated Incubator 2 x 250 Liter 220 VAC 1 ph 50/60Hz Programmable Controller with LED Light

Accessories	Shelves
PHS-A06	Perforated Shelf, Stainless Steel 304, for JSBI-250D(CPL) W470 x D480 mm
PHS-C05	Wire Shelf, PVC Coated, for JSBI-250D(CPL) W470 x D480 mm
PHS-A99	Shelf Support, Set of 4 ea

DISTRIBUTOR

JSR

JS Research Inc.

69, Gumsanggogae-Gil,
Gongju-City, KOREA
Phone: +82-41-856-3677
Fax: +82-41-856-3679
info@jsresearch.co.kr
www.jsr.kr