

## COMMODITY DESCRIPTION

H.S. Code	Item No	Description	Unit	Quantity
8418.50.1000		Programmable Refrigerated BOD Incubator	SET	1

A. Model Name : JSBI-150CP

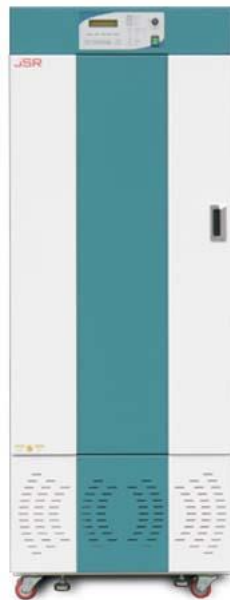
B. Product Description : Programmable Refrigerated BOD Incubator

C. Manufacturer / Origin : JS Research Inc. / Rep. of KOREA

D. Application :

JSBI-CP Series Programmable Refrigerated BOD Incubator gives excellent incubation conditions below ambient temperature for bacterial, fungal, cell and tissue culture incubation with temperature vs time programming up to 5 patterns internal memory and 80 temperature segments range from 0 °C to 70 °C.

E. Photo



JSBI-250CP Programmable Refrigerated BOD Incubator

## **F. Feature**

### **Controller (JSC-5D Programmable Controller 5 Patterns 80 Segments )**

- ✓  $\pm 0.1$  °C Programmable 16-bit Microprocessor PID Controller
- ✓ Two-line back-light LCD Display
- ✓ 5 Patterns Memory 80 Segments 999 Cycles repeatable
- ✓ Supports Constant Temperature Mode / Program Mode
- ✓ Pattern link function / Segment skip function
- ✓ Automatic STOP timer
- ✓ Adjustable timer scale 99min 59sec / 99hr 59min continuous operation
- ✓ Temperature calibration function
- ✓ Auto-tuning function
- ✓ Class A Pt-100  $\Omega$  sensor

### **Construction**

- ✓ Durable epoxy powder coated metallic casing
- ✓ Corrosion resistant Stainless Steel 304 chamber with seamless round cornered edge allows easy decontamination and prevents leakage
- ✓ Durable Stainless Steel 304 Sheath Heater and Copper-Aluminum fin evaporator
- ✓ Tempered safety inner glass door for easy observation of samples

### **Performance**

- ✓ Forced circulation for excellent thermal uniformity within  $\pm 0.2$  °C
- ✓ Separate heating and cooling compartment prevents contamination and maintenance free
- ✓ Cooling system with hermetically sealed compressor

### **Convenience**

- ✓ Outer door with self adhesive magnetic packing
- ✓ Inner glass door with high density silicone packing and air-tight door lock
- ✓ Stainless Steel 304 Chamber with seamless round cornered edge allows easy decontamination and prevents leakage
- ✓ Removable and height adjustable shelf by 25mm spacing
- ✓ Adjustable automatic defrost system

### **Safety**

- ✓ DUAL OVER TEMP. CUT-OFF
- ✓ Digital system cut-off heater and AUDIO VISUAL ALARM in case +2 °C above set temperature
- ✓ Analog system cut-off heater 10% above set temp.
- ✓ MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM when +1 °C above maximum limit
- ✓ OVER COOLING. CUT-OFF
- ✓ Digital system automatically cut-off compressor in case -3 °C below set temperature
- ✓ SENSOR DISCONNECTION ALARM
- ✓ OVER CURRENT CUT-OFF : Electric Leakage Breaker

## G. Specifications

Chamber Volume (Capacity)	150 Liters
Inner Dims. (W x D x H)	500 x 500 x 600 mm
Outer Dims. (W x D x H)	680 x 810 x 1430 mm
Inner Glass Door (W x H)	561 x 677 mm
No. of Shelves included	2 EA
No. of Shelf position	20 EA by 25 mm spacing
Heating	Forced Air Convection
Cooling	CFC Free air cooled compressor, 1/3 HP
Temp. Range	+0°C ~ +70°C
Accuracy	±0.2°C at +20°C
Uniformity	±0.5°C at +20°C
Control	Program Mode 5 Patterns Memory 80 Segments Manual Mode Fixed Temp. operation with timer
Sensor	Class A PT-100 Ω Sensor
Safety	Over-Temperature Cut-Off Over Current Cut-Off
Material	Body : Epoxy Powder Coated Steel, 1.0 mm thickness Chamber : Stainless Steel 304, 0.8 mm thickness Inner Glass Door : Tempered Safety, 5 mm thickness
Electrical Requirement	220 ± 10% VAC, 50/60Hz, 1-Phase
Heater Capacity	900 W
Power Rating	7.1 amps
Plug Configuration	CEE 7/7 Schuko or BS 1363
Net Weight	115 kg
Shipping Weight	155 kg
Shipping Dims. (W x D x H)	790 x 940 x 1610 mm, carton on a wooden palette

## H. Standard Accessories

PVC Coated Wire Shelf : 2 EA

Shelf Support : 8 EA

Instruction Manual : 1 EA

Warranty Card : 1 EA

## I. Options & Accessories

Art No.	Descriptions
OEC-003	JSC-3D Programmable Controller 1 Pattern 11 Segments /w RS-232C Interface, PC Software
OEA-001	Power Outlet Consent in Chamber for CEE 7/7 Schuko Plug
OEA-002	Power Outlet Consent in Chamber for BS 1363 Plug
PHS-A06	Perforated Shelf, Stainless Steel 304, W470 x D480 mm
PHS-C05	PVC Coated Wire Shelf, W470 x D480 mm
PHS-A99	Shelf Support, Set of 4 EA

## J. Warranty

1 Year full coverage warranty