

## COMMODITY DESCRIPTION

H.S. Code	Item No	Description	Unit	Quantity
8418.50.1000		Dual Chamber Programmable Multi-Room Refrigerated Incubator with Light (Photoperiodic Control )	SET	1

A. Model Name : JSMI-02CPL

B. Product Description : Dual Chamber Programmable Multi-Room Refrigerated BOD Incubator with Light (Photoperiodic Control)

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

D. Application :

JSMI-02CPL Dual Chamber Programmable Multi-Room Refrigerated Incubator with Light provides two chambers in a compact unit share less footprint. Temperature program and Photoperiodic control of each chamber can be controlled independently which allow to process incubation at different temperature cycle condition at the same time to save time and cost. Useful for bacterial, fungal, cell and tissue culture, insect incubation or comparison test of samples such as food, packaging, photostability, QA or QC laboratory in pharmaceutical industries.

E. Photo



JSMI-02CPL Dual Chamber Programmable Multi-Room Refrigerated Incubator with Light (Photoperiodic Control)

## 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
- ✓ Programmable Photoperiodic Day and Night simulation Light Control with 2 x 32 Watt Fluorescent FPL
- ✓ Pattern link function / Segment skip function
- ✓ Automatic STOP timer, adjustable timer scale 99min59sec/99hr59min continuous operation
- ✓ Temperature calibration function and 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 and fluorescent lamps.
- ✓ 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)	2 Chamber x 125 Liters
Inner Dims. (W x D x H)	2 Chamber x 500 x 500 x 500 mm
Outer Dims. (W x D x H)	935 x 810 x 1875 mm
No. of Shelves included	4 EA
No. of Shelf position	16 EA by 25 mm spacing
Heating	Forced Air Convection
Cooling	2 ea x CFC Free air cooled compressor
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
Lighting Control	2 x 32 Watt FPL / chamber On/Off Programmable
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	2 ea x 900 W
Power Rating	14.7 amps
Plug Configuration	CEE 7/7 Schuko or BS 1363
Net Weight	kg
Shipping Weight	kg
Shipping Dims. (W x D x H)	mm, wooden crating

## H. Standard Accessories

PVC Coated Wire Shelf : 4 EA

Shelf Support : 16 EA

Instruction Manual : 1 EA

Warranty Card : 1 EA

## I. Options & Accessories

Art No.	Descriptions
OEC-004	JSC-3D Programmable Controller 1 Pattern 11 Segments /w RS-485 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