

COMMODITY DESCRIPTION

H.S. No	Item No	Description	Unit	Quantity
		Multi-Room Incubator	set	1

A. Model : JSMI-04CPL

B. Product Description : Programmable Multi-Room Incubator

C. Manufacturer / Origin : JS Research Inc. / Korea

D. Application :

JSMI-04CP Programmable Muti-Room Incubator has 4 incubation chambers in a unit to shares less footprint.

Temperature program of each chamber can be controlled independently which allows to process four different conditions of incubation at the same time to save time and cost. Useful to general incubation or comparison test of samples such as food package aging test.

E. Photo



**JSMI-04CPL Programmable Multi-Room Incubator
with Light (Photoperiodic Control)**

F. Feature

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

- ✓ ± 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 Ω 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 ± 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

Number of Chambers	Four (4) Chambers
Chamber Volume (each)	125 Liters
Inner Dims. (W x D x H)	500 x 500 x 500 mm
Outer Dims. (W x D x H)	1365 x 830 x 1815 mm
No. of Shelves included	2 EA per chamber
No. of Shelf position	16 EA per chamber by 25 mm spacing
Convention	Forced Air Convection
Heating	Stainless Steel 304 Sheath Heater
Cooling	4 x CFC Free Hermetically Sealed 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-Cooling Cut-Off Over Current Cut-Off Inner Glass Door Switch
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 Watt each chamber
Power Rating	28.2 Amp (2 x 14.1 Amp two plug system)
Plug Configuration	CEE 7/7 Schuko or BS 1363
Net Weight	220 kg
Shipping Weight	350 kg
Shipping Dims. (W x D x H)	1510 x 950 x 2040 mm, wooden crating

H. Standard Accessories

PVC Coated Wire Shelf	: 8 EA (2 EA for chamber)
Shelf Support	: 32 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