

JSMI-04

125 Liter FOUR CHAMBER INCUBATOR



JSMI-04CPL 125 Liter Four Chamber Refrigerated Incubator
10 Step Programmable LED Lamps on door

Features

Performance

Temperature Range : amb. +5 °C to 70 °C
or +0 °C to 70 °C
Temperature Accuracy : within +/- 0.2 °C
Temperature Uniformity : within +/- 1.0 °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

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. [JSMI-04CP, 04CPL]
- ▶ 10 Step Light ON/OFF Program. [JSMI-04CPL]
- ▶ 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**



10 Step 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. [JSMI-04CPL]

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	JSMI-04T	JSMI-04C	JSMI-04CP	JSMI-04CPL
SELECTION GUIDE				
Temperature Range	amb. +5 °C to 70 °C	+0 °C to 70 °C	+0 °C to 70 °C	+0 °C to 70 °C
Heating	O	O	O	O
Cooling	X	O	O	O
Fixed Temperature Control	O	O	O	O
10 Step Temperature Program	X	X	O	O
Light ON/OFF Program	X	X	X	O
Lamp Type, Length	X	X	X	LED, 300 mm
Lamp Configuration	X	X	X	5 watt x 5 ea
Dimension Data				
Chamber Volume	4 x 125 Liters			
Inner Dims. (WxDxH) mm	500 x 500 x 500			
Outer Dims. (WxDxH) mm	1365 x 830 x 1815			1365 x 850 x 1815
No. of Shelf Positions	16 ea			
No. of Shelf Included	8 ea			
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	Stainless 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	880 W 4.0 amp	6.8 kW 30.8 amp	6.8 kW 30.8 amp	6.8 kW 30.8 amp
Plug Configuration	Two x CEE 7/7 Schuko or BS 1363			



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Ordering Information

JSMI-04

125 Liter FOUR CHAMBER INCUBATOR

Art. Number

Descriptions

JSMI-04T	125 Liter Four Chamber Incubator, amb. +5 °C ~ 70 °C 220 VAC 1 ph 50/60Hz
JSMI-04C	125 Liter Four Chamber Incubator, +0 °C ~ 70 °C Refrigerated 220 VAC 1 ph 50/60Hz
JSMI-04CP	125 Liter Four Chamber Incubator, +0 °C ~ 70 °C Refrigerated, Programmable 220 VAC 1 ph 50/60Hz
JSMI-04CPL	125 Liter Four Chamber Incubator, +0 °C ~ 70 °C Refrigerated, Programmable, Light Control 220 VAC 1 ph 50/60Hz

Accessories

Shelves

PHS-A06	Perforated Shelf, Stainless Steel 304, for JSMI-04 W470 x D480 mm
PHS-C05	Wire Shelf, PVC Coated, for JSMI-04 W470 x D480 mm
PHS-A99	Shelf Support, Set of 4 ea



DISTRIBUTOR

JSR

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