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Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
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Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
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Екатеринбург (343)384-55-89

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Ижевск (3412)26-03-58
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Кемерово (3842)65-04-62
Киров (8332)68-02-04
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Кострома (4942)77-07-48
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Красноярск (391)204-63-61
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Липецк (4742)52-20-81

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Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

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Тамбов (4752)50-40-97

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Улан-Удэ (3012)59-97-51
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Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

www.jsr.nt-rt.ru | jou@nt-rt.ru

**Технические характеристики на
двухкамерные охлаждаемые бпк-
инкубаторы, программируемые,
четырёхкамерные многокомнатные
инкубаторы JSMI, аксессуары**

КОМПАНИИ JSR

JSMI-04T(C)

FOUR CHAMBER

INCUBATOR

amb. +5 ° C 70 ° C

0 ° C 70 ° C



JSMI 04C Four Chamber Refrigerated Incubator
125 liter x4 Chambers

JSMI 04T (C) Multi Chamber Refrigerated Incubator has four independently controlled incubation chambers in a compact unit share less footprint.

Temperature of each chamber can be controlled individually which allow to process incubation at different temperature condition at the same time to save time and cost. Useful for bacterial, fungal, cell and tissue culture incubation or comparison test of samples such as food, packaging, QA or QC laboratory in pharmaceutical industries.

Features

Performance

Temperature Range : 0 ° C to 70 ° C (JSMI 04C)
amb.+5 ° C to 70 ° C (JSMI 04T)

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 (JSMI 04C)

Construction

Four chamber configuration shares less footprint with individual temperature controller

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: Fuse

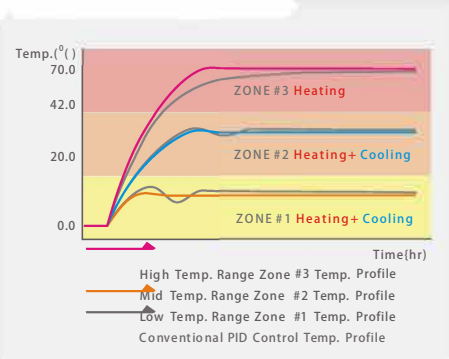
3-ZONE PID Algorithm

3-Point Calibration

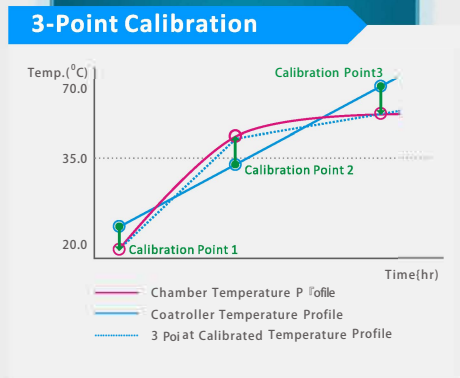
1-Point Offset

Temperature Control

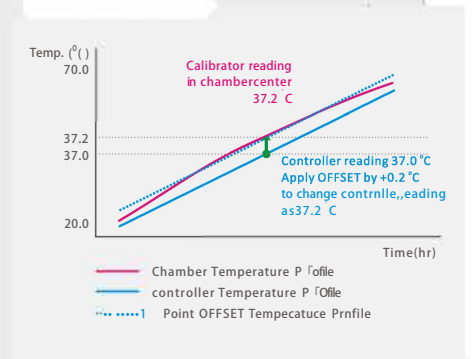
- Digital Microprocessor PID Controller
- High fidelity clear back light LCD displays complete setting and operating condition at a glance
- UV Coated Polycarbonate Touch Panel
- Easy to use Encoder Type Jog Dial for quick and convenient setting of temperature and timer
- 0.1 °C Control resolution
- Turn On and Turn Off Timer up to 99 hour 59 min.
- Temperature and Timer memory function in frequent use
- 3 Zone PID Algorithm
- 3 Point Calibration
- 1 Point Offset Calibration
- Power Outage and Restore Function
- Class A Pt 100 Ohm Sensor
- RS 232C PC Communication Interface [OPTION]



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.



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.



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

#Specifications

	』 SMI 04T	JSMI 04C
Dimension Data		
Chamber Volume	125 Liters x 2 Chambers	
Inner Dims. (WxDxH) mm	500 x 500 x 500 / Chamber	
Outer Dims. (WxDxH) mm	1365 X 830 X 1815	
No. of Shelf Positions	16 ea by 25 mm spacing/ chamber	
No. of Shelf Included	8 ea	
Performance Data		
Heating & Cooling System	Heating only, Forced Convection	Cooling by 4 ea x Hermetically Sleased Air Cooled Compressor
Temperature Range	amb. +5°C to 70 °C, 0.1°C resolution	0°C to 70 °C, 0.1°C resolution
Temperature Accuracy at 20.0°C	+/- 0.2°C	+/- 0.2°C
Temperature Uniformity at 20.0°C	+/- 0.5 °C	+/- 0.5 °C
Controller		
Type	Digital Microprocessor PIDTemp. Controller with Capacitive Touch Button and』 og Dial	
Display	Full Size Digital Back Light Graphic LCD Display	
Control Logic	3 Zone PID Control	
Calibration	1 Point Temperature Offset 3 Point Temperature Calibration	
Turn Off Timer	Max. 99 hr 59 min by 1 min resolution	
Turn On 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	Over Temperature/ Over Cooling / Over Current Protection Audio Visual Alarm	
Electrical Data		
Power Requirement	230 +/- 10% VAC 50/60 Hz 1 Phase	
Power Consumption	2 ea x 440 W 14.1 amp	2 ea x 3.2 kW 14.1 amp
Plug Configuration	CEE 7/7 Schuko or BS 1363	
Usable Condition		
Temp. & Humidity	5 °C 40 °C, 80% RH Max.	

#Ordering Information

JSMI-04T(C) FOUR CHAMBER INCUBATOR

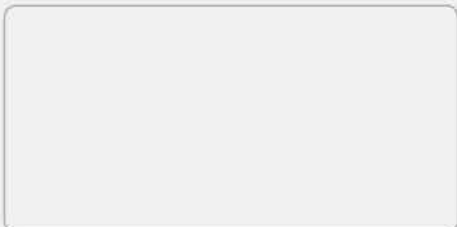
amb. +5 °C 70 °C
0 °C 70 °C

Descriptions

JSMI 04T	Four Chamber Heated Incubate 『,125 Liter x 2 chamber 230 VAC 1 ph 50/60Hz
JSMI 04C	Fou 『Chamber Refrigerated Incubator, 125 Liter x 2 chamber 230 VAC 1 ph 50/60Hz

Shelves

PHS AOG	Perforated Shelf, Stainless Steel 304, W470 x D480 mm
PHS COS	Wire Shelf, PVC Coated, W470 x D480 mm
PHS A99	Shelf Support, Set of 4 ea



JSMI-02C

DUAL CHAMBER REFRIGERATED INCUBATOR 0 °C ~ 70 °C



JSMI02C Dual Chamber Refrigerated Incubator
125 liter x2 Chambers

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

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: Fuse

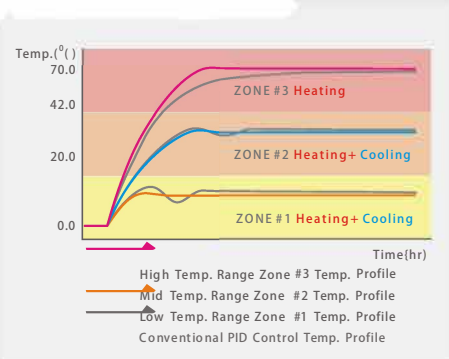
3-ZONE PID Algorithm

3-Point Calibration

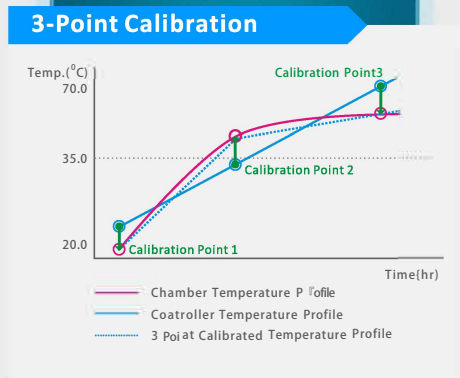
1-Point Offset

Temperature Control

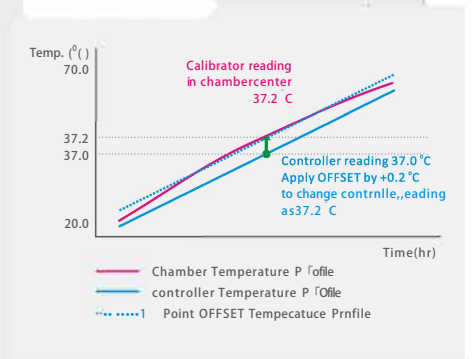
- Digital Microprocessor PID Controller
- High fidelity clear back light LCD displays complete setting and operating condition at a glance
- UV Coated Polycarbonate Touch Panel
- Easy to use Encoder Type Jog Dial for quick and convenient setting of temperature and timer
- 0.1 °C Control resolution
- Turn On and Turn Off Timer up to 99 hour 59 min.
- Temperature and Timer memory function in frequent use
- 3 Zone PID Algorithm
- 3 Point Calibration
- 1 Point Offset Calibration
- Power Outage and Restore Function
- Class A Pt 100 Ohm Sensor
- RS 232C PC Communication Interface [OPTION]



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.



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.



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

#Specifications

』 SMI 02C

Dimension Data

Chamber Volume	125 Liters x 2 Chambers
Inner Dims. (WxDxH) mm	500 x 500 x 500 / Chamber
Outer Dims. (WxDxH) mm	680 X 825 X 1950
No. of Shelf Positions	16 ea by 25 mm spacing/ chamber
No. of Shelf Included	4 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 』 og Dial
Display	Full Size Digital Back Light Graphic LCD Display
Control Logic	3 Zone PID Control
Calibration	1 Point Temperature Offset 3 Point Temperature Calibration
Turn Off Timer	Max. 99 hr 59 min by 1 min resolution
Turn On 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	Over Temperature/ Over Cooling / Over Current Protection Audio Visual Alarm
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Electrical Data

Power Requirement	230 +/- 10% VAC 50/60 Hz 1 Phase
Power Consumption	3.2 kW 14.1 amp
Plug Configuration	CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity	5 °C - 40 °C, 80% RH Max.
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#Ordering Information

JSMI-02C DUAL CHAMBER REFRIGERATED INCUBATOR 0 °C 70 °C

Descriptions

JSMI 02C

Dual Chamber Refrigerated Incubator, 125 Liter x 2 chamber
230 VAC 1 ph 50/60Hz

Shelves

PHS A06

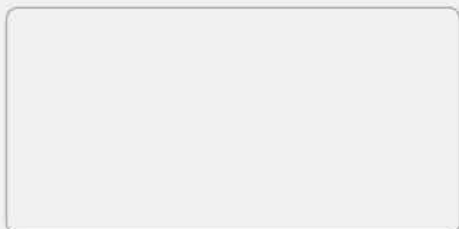
Perforated Shelf, Stainless Steel 304, for JSMI 02C W470 x D480 mm

PHS COS

Wire Shelf, PVC Coated, for JSMI 02C W470xD480mm

PHS A99

Shelf Support, Set of 4 ea



4 Chamber INCUBATOR

5 PATTERN MEMORY 80 SEGMENTS Photoperiodic Control



Programmable Multi Room Incubator

JSMI CP(L) Series Multi Room Programmable Refrigerated Incubator equipped with 5 Pattern internal memory, 80 segments and light control for photoperiodic day night simulation program capability provides various incubation and test condition needs temperature vs time vs light programming.

- Four Chamber Independent Temperature
- Cooled +0°C to 70°C
- Program Controller 5 Patterns 80 Segments
- Timer Off ビゴ
- Photoperiodic Control の
- [OPTION] 11 Segment Program with RS 485C Multi Drop

Specifications

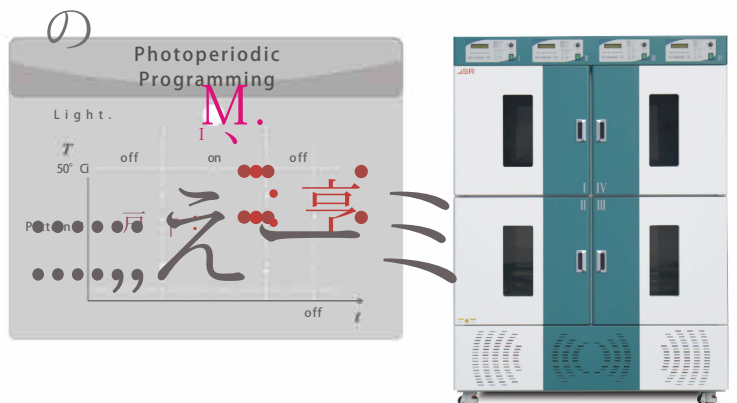
Heating	Forced Air Convection
Cooling	CFC Free air cooled compressor
Temp. Range	+0°C 70°C
Accuracy	±0.2°C at 20.0°C (JSMI 04CP)
Uniformity	±0.5°C at 20.0°C (JSMI 04CPL)
Control	Programmable PID Control 5 Pattern 80 Segments 999 Repeatable Photoperiodic Light Control (JSMI 04CPL)
Sensor	Class A Pt 100 Q Sensor
Safety	Over Temperature Cut Off Over Current Cut Off
Material	Body : Epoxy Powder Coated Steel Chamber: Stainless Steel 304 Inner Glass Door: Tempered Safety Including PVC Coated Wire Shelf Built in Caster for easy transport
Electric	220±10% VAC 50/60Hz 1 Phase

Plug config.



Control Accuracy

- Programmable 16 bit Microprocessor Digital PID control with ±0.1°C resolution
- 5 Patterns memory 80 Segments 999 times repeatable
- Constant Temp. Mode/ Program Mode
- Pattern link and Segment skip function
- Automatic STOP timer Max. 99min 59sec / 99hr 59min
- Programmable photoperiodic light control system
- Temperature calibration and auto tuning function
- Class A Pt 100 Q sensor



JSMI 04 Outer Door with Glass Window Option

もI杜丘土0.1℃習国杜16 bit丑豆コ君PIDキ巨暑叫
 5哺目刈召OJI三己1 80人11コ円且999空I王セ・早包世号岳翌
 夏刈岳召王セ三里コ晋岳をフI岩
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 日0国LH忍99邑59奎／99人1召59昔
 省吾玉習017海包玉丘ON/OFF互豆コ晋7!苦
 呂丘且習，豆呈弄甘7!岩LH召
 Class A Pt 100 0呂丘性人1

Performance

- Durable** epoxy powder coated metallic casing
- Corrosion** resistant Stainless Steel 304 chamber
- Durable** Stainless Steel 304 Sheath Heater and copper aluminum finned evaporator
- Forced** circulation for excellent thermal uniformity
- Separate** heating and cooling compartment prevents contamination and maintenance free
- Cooling** system with hermetically sealed compressor

- LHT包01早!0!せOJI号人1岳丸丘 . を包次11
- LH早斗答01早!qせStainless Steel 304 ↓ **架**習叫
- LH,1包叫LH早斗答01年!qせStainless Steel 304刈晋£1
 せEi叫過召立号01早!q目過Zj 7
- 早三2.甘き吾7!全坦・斗望I11呈丑・国をき丘. 思丑
- フ望替出フ享1:11 OJI早!大!さ関碑対I晋百9豆包笹コ忍0区1号
- LH,1包01召芭過召人1全世I

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 cleaning and prevents contamination
- Removable** and height adjustable shelf by 25mm spacing
- Auto defrost** system, user settable interval and time
- Built in** casters for easy transport

Ordering Information

	JSMI 04CP	JSMI 04CPL
Chamber Volume (Capacity)	125 L x 4 Chambers	
Dimensions Inner	500 x 500 x 500 / chamber	
W x D x H mm Outer	1365 X 815 X 1885	
Temperature Range	+0°C to 70°C	
Accuracy at 20.0°C	±0.2°C at 20°C	
Uniformity at 20.0°C	±0.5°C at 20°C	
Lighting Control	none	2 x 32 Watt FPL Lamp
Number of shelves/ Maximum No.	2 / 16 per chamber	
Heater Capacity	4 x 900 W	4 x 900 W
Refrigeration System	CFC Free Air Cooled Compressor	
Power Rating	2x14.8Amp	2 x 15.4Amp
Power Plug	CEE 717 Schuko Two plug system	

心国翌科岩 £121早丘q 翻リ
 LH早弁己 I丘q 叫 コ国丘 替己邑 ilH7d, 国卦凶 三q 国名
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 召世もに1豆習皆ス1
 25mm召否竺豆告01王習フトきを付甘
 X11杜召召奥人1そ曾王習習今毀セスf吾刈I合人1全昔
 早暑 召卦もドリ替大 奥 0!吾01世叫習

Safety

- DUAL OVER TEMP. CUT OFF
- MAX TEMP CUT OFF
- AUDIBLE VISUAL ALARMS
- SENSOR DISCONNECTION ALARM
- OVER CURRENT CUT OFF: Electric Leakage Breaker

Options

Art No.	Descriptions
OEC 004	JSC 3D Programmable Controller 1 Pattern 11 Segments /w RS 485C Multi Drop Interface, PC Software
OEA 001	Power Outlet Consent in Chamber for CEE 717 Schuko Plug
OEA 002	Power Outlet Consent in Chamber for BS 1363 Plug
OEC 105	Outer Door with Glass Window

Accessories

Art No.	Descriptions
PHS A06	Perforated Shelf, Stainless Steel 304 for JSMI 04CP(L) W470 x D480 mm
PHS C05	PVC Coated Wire Shelf for JSMI 04CP(L) W470 x D480 mm
PHS A99	Shelf Support, Set of 4

Laboratroy

INCUBATOR

SELECTION GUIDE

法芯富雷 Incubator



amb. +5°C 70 °C
Constant Temperature
Timer On / Off
RS 232C or 485 [OPTION]
Program Controller
 5 PTN 80 SEG [OPTION]



MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSGI 050T	48 L	amb. +5°C 70 °C	±0.2°C
JSGI 1 DOT	96 L		±0.2°C
JSGI 150T	150 L		±0.2°C
JSGI 250T	250 L		±0.3°C
JSGI 250DT	2 x 250 L		±0.3°C

憫子雷 Incubator



amb. +5°C 50°C
Constant Temperature
Timer On / Off



MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSGI 10T	9.3 L	amb. +5°C	±0.2°C
JSGI 30T	31.5 L	50 °C	±0.2°C

認明心容 Incubator



+0 °C 70 °C
Constant Temperature
Timer On | Off
RS 232C or 485 [OPTION]



MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSBI 050C	50 L	+0°C 70 °C	±0.2°C
JSBI 100C	100 L		
JSBI 150C	150 L		
JSBI 250C	250 L		
JSBI 420C	420 L		
JSBI 840C	840 L		

点器真 Incubator



+0 °C 70 °C
Program Controller
 5 PTN 80 SEG
 ▶ RS-232C or 485 [OPTION]



MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSBI 1 SOCP	150 L	+0 °C 70 °C	±0.2°C
JSBI 250CP	250 L		
JSBI 420CP	420 L		

芯宮は悶 Incubator



- Dual Chamber
- +0°C 70 °C
- Constant Temperature or Program Controller
- 5 PTN 80 SEG
- Timer On / Off
- RS 232C or 485 [OPTION]



MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSBI 250DC	2 x 250 L	+0°C 70 °C	±0.2°C
J SBI 250DCP			

は蒸 Incubator

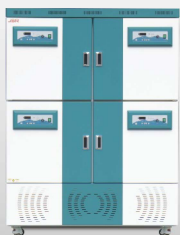


- Dual Chamber
- +0 °C 70 °C
- Constant Temperature or Program Controller
- 5 PTN 80 SEG
- Timer On / Off
- Photoperiodic Light Control
- RS 232C or 485 [OPTION]



MODEL	CAPACITY	TEMPERATURE	FEATURE
JSMI 02C	2 X 125 L	+0 °C 70 °C	Constant
JSMI 02CP			Program
JSMI 02CPL			Light

ふ誓摩 Incubator



- Four Chamber
- +0 °C 70 °C
- Constant Temperature or Program Controller
- 5 PTN 80 SEG
- Timer On / Off
- Photoperiodic Light Control
- RS 232C or 485 [OPTION]



MODEL	CAPACITY	TEMPERATURE	FEATURE
JSMI 04T	4 x 125 L	amb.+ 5°C 70°C	Heated
JSMI 04C			Cooled
JSMI 04CP		0 °C 70 °C	Program
JSMI 04CPL			Light
JSMI 05C(L)	5 x 44 L	+5°C 70 °C	Cooled
JSMI 08CP(L)	8 X 26 L	+5°C 70 °C	Cooled

墨賃は悶 Refrigerator chamber



- 4 °C Refrigerator
- On/Off Control
- RS 232C or 485 [OPTION]



MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSSC 700C	686 L	+0 °C 10 °C	± 2.0 °C
JSSC 1200C	1176 L		

Laboratroy

INCUBATOR

HEATED REFRIGERATED Standards & Options

Controller Guide

	JSC-1D Digital PID Controller		JSC-5D Programmable Controller	
Type	Digital PID		16 bit Microprocessor	
Display	LED		2 Line Back light LCD	
Operation	Constant Temperature		Constant Temp. Mode Program Mode	
Accuracy	± 0.1°C		± 0.1°C	
Timer	Auto START/STOP		Auto STOP	
Timer Scale	Max. 99min 59sec / 99hr 59min / 99 day 23hr selectable		Max. 99min 59sec 99hr 59min selectable	
Pattern Memory	n/a	n/a	1 Pattern	5 Patterns
Max. Segment			11 Segments	80 Segments
Max. Repeats			999 or unlimited	999 or unlimited
			Segment Skip	Segment Skip
				Pattern Link
Light Control	On/Off control integrated with programming			
RS 232C or RS 485	n/a	Yes [OPTION]	Yes [OPTION]	Yes [OPTION]
PC Software	n/a	Yes [OPTION]	Yes [OPTION]	n/a
Calibration	Yes	Yes	Yes	Yes
Auto tuning	Yes	Yes	Yes	Yes

JSC 0D



JSC 1D



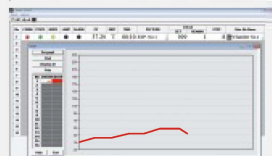
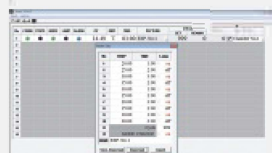
JSC 3D



JSC 5D



PC Software [OPTION]



RS 232C Serial Port Communication
Turn On and Off control
Temperature and Timer Setting
Pattern Programming and uploading
Current temperature Graph Rendering
Temperature Data Logging
Alarm Signal

RS 232C人1叫望丑巨唇牡
时吾, 習X! X1|q
名三包恐, E f 0回 答恐 フキ
哺巴三呈古哺因フ1岩
科吾吞呂丘ユE胆王丑人 1フ岩
呂丘|:|0|E1令召奥刈召フ1告
望居芭習丑人 1

ASCII Data Collection

Date	Time	Temp	Step	Seg	Cycle
2014:01:0809:00:00		37.00	00:05	08	001/999
2014:01:0809:00:10		37.01	00:05	08	001/999
2014:01:0809:00:20		37.01	00:05	08	001/999
2014:01:0809:00:30		37.00	00:05	08	001/999

Performance & Convenience

Construction



Durable epoxy powder coated metallic casing

LHT包01手!叶甘0ii号人I巷对I丘を

Chamber



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

LH早斗筭01早!qせStainless Steel 304 XH盈I替出丑I.:JE O;号AI毀01己f岳三大忙I丘団毀q刈I科01召邑

Inner Glass Door



High density silicone packing with air tight door lock

Removable and height adjustable shelf by 25mm spacing

心H早弁己1丘. q叫그国丘全!己1包・哺忍, 習科斗丘q司

25mm召召2呈告01玉習フ怜遠!付世

Light Control



Programmable Photoperiodic lighting control system

溢吾奈盈01フトきを

王丘ON/OFF互豆그晋7!告

Safety



DUAL OVER TEMP. CUT OFF

1) Digital system cut off heater and AUDIO VISUAL ALARM in case +2°C above set temperature

2) Analog system cut off heater 10% above set temp.

MAX TEMP CUT OFF heater and AUDIO VISUAL ALARM when +1°C above maximum limit

GLASS DOOR SWITCH

SENSOR DISCONNECTION ALARM

OVER CURRENT CUT OFF: Electrical Leakage Breaker

01吾叫望皆XI召大1

1)筭恐色丘+2 奎叫人!さ!Ei丸世奥人I習否世菩

2)邑三暑叫2.弄呈XI習を三10%奎叫人!古!E7大田

到그名三省昔7!E":凶吾せIII呂丘+1 奎叫人!も!E1大田

三q全早は1

牲人1世司省習

午召大狂せフ!:翌7!午筭人I季翌懸大H]

Maintenance



Easy to maintain refrigeration system with dust filter

世己 社 弁ス性令 巴ズ 晋日 習科

2 Chamber

COOLED INCUBATOR

5 PATTERN MEMORY 80 SEGMENTS Photoperiodic Control



Programmable Multi Room Incubator

JSMI 02CP(L) Series Multi Room Programmable Refrigerated Incubator equipped with 5 Pattern internal memory, 80 segments and light control for photoperiodic day night simulation program capability provides various incubation and test condition needs temperature vs time vs light programming.

Specifications

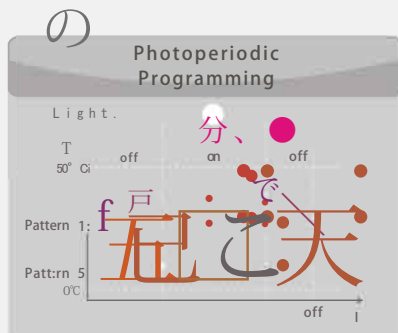
Heating	Forced Air Convection
Cooling	CFC Free air cooled compressor
Temp. Range	+0°C 70°C
Accuracy	±0.2°C at 20.0°C
Uniformity	±0.5°C at 20.0°C
Control	Programmable PID Control 5 Pattern 80 Segments 999 Repeatable Photoperiodic Light Control (JSMI 02CPL)
Sensor	Class A Pt 100 Q Sensor
Safety	Over Temperature Cut Off Over Current Cut Off
Material	Body : Epoxy Powder Coated Steel Chamber: Stainless Steel 304 Inner Glass Door: Tempered Safety Including PVC Coated Wire Shelf Built in Caster for easy transport
Electric	220±10% VAC 50/60Hz 1 Phase

Plug config.



Control Accuracy

- Programmable 16 bit Microprocessor Digital PID control with ±0.1°C resolution
- 5 Patterns memory 80 Segments 999 times repeatable
- Constant Temp. Mode/ Program Mode
- Pattern link and Segment skip function
- Automatic STOP timer Max. 99min 59sec | 99hr 59min
- Programmable photoperiodic light control system
- Temperature calibration and auto tuning function
- Class A Pt 100 Q sensor



- Dual Chamber Independent Temperature
- Cooled +0°C to 70°C
- Constant Temperature Controller
- Program Controller 5 Patterns 80 Segments
- Timer Off
- Photoperiodic Control
- [OPTION] 11 Segment Program with RS 485C Multi Drop

もI社土0.1℃習国社16 bit丑豆君PIDき巨暑叫
 5哺目列召OJI三己1 80人11コ円且999空I王セ・早包世号岳翌
 夏刈岳召王セ三里コ晋岳をフI岩
 べ考否包珊巴否豆卒EHき叫巴且呈吾ヨも隔包今祉吾
 芭XH时吾否包人ii.:J.E ! 巨召ヒ:年!71 7!告
 日0国LH忍99邑59空/99人1召59昔
 省吾玉習017海包玉丘ON/OFF互豆コ晋7!昔
 呂丘且習, 豆呈弄甘7!岩LH召
 Class A Pt 100 0呂丘性人1

Performance

- Durable** epoxy powder coated metallic casing
- Corrosion** resistant Stainless Steel 304 chamber
- Durable** Stainless Steel 304 Sheath Heater and copper aluminum finned evaporator
- Forced** circulation for excellent thermal uniformity
- Separate** heating and cooling compartment prevents contamination and maintenance free
- Cooling** system with hermetically sealed compressor

LH,1包01早!0!せOJI号人I岳対I丘習邑次11
 4!早斗答01年!qせStainless Steel 304 J.H雀£1替叫
 LH,1包叫LH早斗包01年!qせStainless Steel 304 J.H召£1
 さIE栢叶過召立吾01早!qせ過4フI
 早三己1岳吾フ1全替・斗望刀I里西省を名丘. 岳・王
 フ望替出フ亭:11 OJI早!大!さ杯叶碑対!誓・百2 . 豆 . 包包コ忍0!苦舎
 LHT包01召芭過4人I全 : 国

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 cleaning and prevents contamination
- Removable and height adjustable shelf by 25mm spacing
- Auto defrost system, user settable interval and time
- Built in casters for easy transport

Ordering Information

	JSMI 02C	JSMI 02CP	JSMI 02CPL
Chamber Volume (Capacity)		125 L x 2 Chamber 2 Door	
Dimensions Inner		500 x 500 x 500 / chamber	
W x D x H mm Outer		935 X 830 X 1875	
Temperature Controller	JSC 1 D Digital PID Control	JSC 5D Controller	JSC 5D Controller
Range		+0°C to 70°C	
Accuracy at 20.0°C		±0.2°C at 20°C	
Uniformity at 20.0°C		±0.5°C at 20°C	
Lighting Control	none	none	2 x 32 Watt FPL
Number of shelves/ Maximum No.		2 / 16 per chamber	
Heater Capacity	2 x 900W	2 X 900 W	2 X 900 W
Refrigeration System		CFC Free Air Cooled Compressor	
Power Rating	14.1 Amp	14.1 Amp	14.7 Amp
Power Plug		CEE 717 Schuko	

心良1召卦世 £121早丘q珊忍
 • LH早弁2.1丘q叫コ国丘告引き五H忍, 国吋凶丘q型呂
 替叫£1フ!国包01年!q甘
 •替团£1 目E 01吾人H磁01 2冷竺三大12! E!q毀叶刈I莓01
 召芭もに1 2.答岩XI
 • 25 mm 召召竺呈告01王習フ海芭包世
 心11社召召奥人1召呈否習曾令毀七XH吾刈I令人1全皆
 • 坪I量 を 吝も叶舎因 奥 0!吾 01翌己昔

Safety

- DUAL OVER TEMP. CUT OFF
- MAX TEMP CUT OFF
- AUDIBLE VISUAL ALARMS
- SENSOR DISCONNECTION ALARM
- OVER CURRENT CUT OFF: Electric Leakage Breaker

Options

Art No.	Descriptions
OEK 004	JSC 3D Programmable Controller 1 Pattern 11 Segments /w RS 485C Multi Drop Interface, PC Software
OEA 001	Power Outlet Consent in Chamber for CEE 717 Schuko Plug
OEA 002	Power Outlet Consent in Chamber for BS 1363 Plug

Accessories

Art No.	Descriptions
PHS A06	Perforated Shelf, Stainless Steel 304 for JSMI 02CP(L) W470 x D480 mm PVC Coated Wire Shelf
PHS C05	for JSMI 02CP(L) W470 x D480 mm
PHS A99	Shelf Support, Set of 4

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
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Калининград (4012)72-03-81
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Киров (8332)68-02-04
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Курган (3522)50-90-47
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Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

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Самара (846)206-03-16
Саранск (8342)22-96-24
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Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
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Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

www.jsr.nt-rt.ru | | jou@nt-rt.ru