

JSGI-250DT

PROGRAMMABLE DUAL CHAMBER GENERAL INCUBATOR

amb. +5 °C ~ 70 °C

JSGI-250DT Dual Chamber Incubator provides two 250 liter capacity chambers having individual temperature controller enable incubation of different temperature at the same time. Controller provides 10 Steps of temperature programming as well as constant temperature operation for more versatile use, temperature range from Ambient +5 °C to +70°C. It gives excellent performance for incubation of microorganisms such as bacteria, cell and tissue. Also suitable for various QA / QC Tests.

Features

Performance

Temperature Range : amb. +5 °C to 70 °C

Temperature Accuracy : within +/- 0.3 °C

Temperature Uniformity : within +/- 1.5 °C

Forced air convection for excellent thermal accuracy and uniformity.

Aero-dynamic chamber designed with circulation blower to achieve superior thermal uniformity.

Separated heating compartment located on the back wall for contamination free and maintenance free.

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.

Cable Access Port

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.

Opening size adjustable Cable Access Port.

Door switch cut-off heater and blower to reduce temperature drop when put in and out samples.

Safety

DOOR SENSOR WITH DOOR OPEN AUDIO VISUAL ALARM

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



JSGI-250DT Dual Chamber General Incubator

Featured Controller

JIC-CON 5th GEN

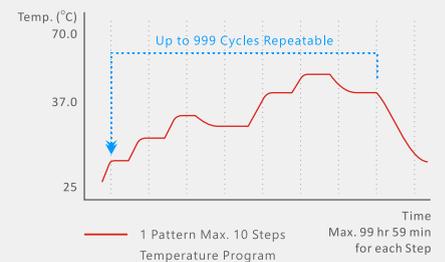
- 3-Zone PID Algorithm**
- 3-Point Calibration**
- 1-Point Offset**
- 10-Step 999-Cycle Program**

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.
- ▶ Temperature and Timer automatically resume after power restoration.
- ▶ Class A Pt-100 Ohm Sensor.
- ▶ RS-232C PC Communication Interface. [OPTION]

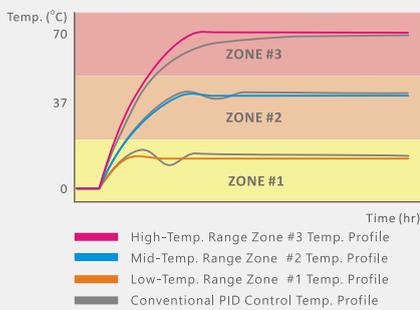


10 Step Program



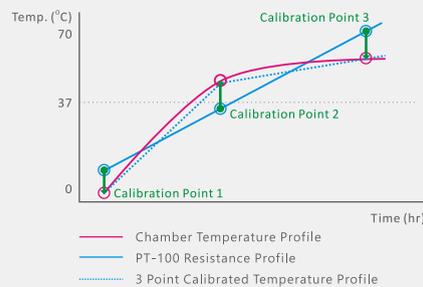
User can create 10 Steps of varying temperature program and save it in memory for repeated use. Program can be repeated up to Max. 999 Cycles.

3-Zone PID Algorithm



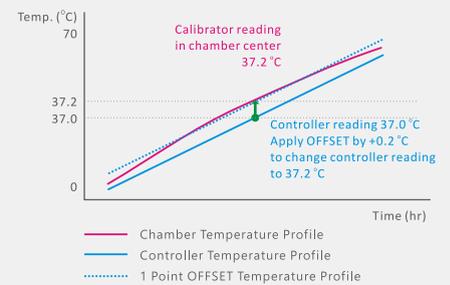
Complete temperature range is divided into three zones (LOW/MIDDLE/HIGH) and each ZONE has its individual PID algorithm to provide precise and superior temperature control characteristic of whole temperature range.

3-Point Calibration



An excellent calibration tool to calibrate chamber with THREE DIFFERENT TEMPERATURE POINTS to adjust multiple temperature bias to increase accuracy of WHOLE TEMPERATURE RANGE.

1-Point Offset



A simple and easy calibration tool that calibrates chamber's temperature at one specific frequently used temperature point.

Specifications

Model

JSGI-250DT

Dimension Data

Chamber Volume	2 x 250 Liters
Inner Dims. (WxDxH) mm	500 x 500 x 1000 / chamber
Outer Dims. (WxDxH) mm	1365 x 735 x 1400
Window Dims. (WxH) mm	561 x 1077
No. of Shelf Positions	36 ea / chamber
No. of Shelf Included	6 ea
No. of Cable Access Port	1 ea / chamber

Performance Data

Heating System	Forced Convection
Temperature Range	ambient +5 °C to 70 °C, 0.1 °C resolution
Temperature Accuracy at 37.0 °C	+/- 0.3 °C
Temperature Uniformity at 37.0 °C	+/- 1.5 °C
Heat-up Time to 37.0 °C	20 min.

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 Zone PID Control
Calibration	1 Point Temperature Offset 3 Point Temperature Calibration
Temp. Program	1 Pattern, 10 Steps, 1 ~ 999 (Unlimited) Times Repeatable
Auto-Stop Timer	Max. 99 hr 59 min by 1 min resolution
Suto-Start 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	Door Open / Over Temperature / Over Current Protection Audio Visual Alarm
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Electrical Data

Power Requirement	220 +/- 10% VAC 50/60 Hz 1 Phase
Power Consumption	410 W 2.0 amp / chamber
Plug Configuration	CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity	5 °C - 40 °C, 80% RH Max.
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JSR

JS Research Inc.
Gongju-City, KOREA
info@jsresearch.co.kr
www.jsr.kr

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PROGRAMMABLE
DUAL

CHAMBER

GENERAL
INCUBATOR

amb. +5 °C ~ 70 °C

Ordering Information

Art. Number

Descriptions

JSGI-250DT

Dual Chamber Heated General Incubator

2 x 250 Liter Chambers

220 VAC 1 ph 50/60Hz

Accessories

Shelves

PHS-A06

Perforated Shelf, Stainless Steel 304, for JSJI-250T W470 x D480 mm

PHS-C05

Wire Shelf, PVC Coated, for JSJI-250T W470 x D480 mm

PHS-A99

Shelf Support, Set of 4 ea

DISTRIBUTOR

JSR

JS Research Inc.

69, Gumsanggogae-Gil,

Gongju-City, KOREA

Phone: +82-41-856-3677

Fax: +82-41-856-3679

info@jsresearch.co.kr

www.jsr.kr