



**DUAL CHAMBER
GENERAL INCUBATOR**

JSGI-250DT

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amb. +5 °C ~ 70 °C

JSGI-250DT Dual Chamber General Incubator provides 500 liter chamber for large capacity of incubation. Two 250 liter capacity chambers has independent temperature controller enable incubation of different temperature at the same time. Suitable for bacterial, fungal, cell and tissue culture incubation temperature range from ambient + 5 °C to 70 °C. Coaxial fan mildly circulates air within the chamber to maintain uniform temperature of incubator.

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 : Fuse



JSGI-250DT Dual Chamber General Incubator

3-ZONE PID Algorithm

3-Point Calibration

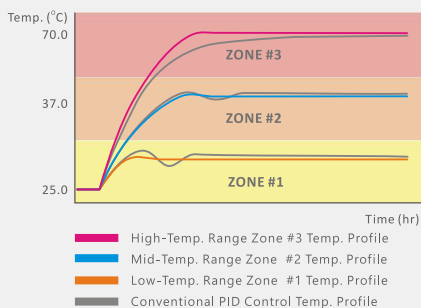
1-Point Offset

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]

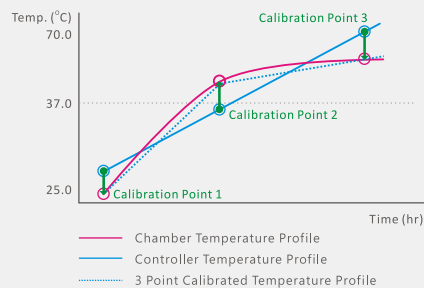


3-ZONE PID Algorithm



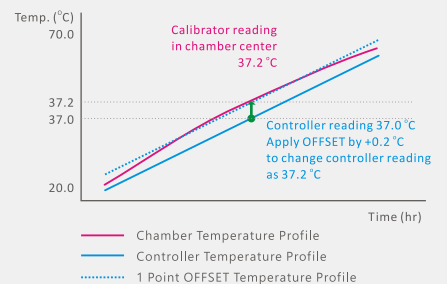
Complete temperature range is divided into three zones (LOW/MIDDLE/HIGH) and each ZONE has its individual PID algorithm to provide precise and superior temperature control characteristic of whole temperature range.

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

JSGI-250DT

Dimension Data

Chamber Volume	2 x 250 Liters
Inner Dims. (WxDxH) mm	500 x 500 x 1000 / Chamber
Outer Dims. (WxDxH) mm	680 x 735 x 1320
Window Dims. (WxH) mm	561 x 1077
No. of Shelf Positions	36 ea
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
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	Stainless 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	230 +/- 10% VAC 50/60 Hz 1 Phase
Power Consumption	Two Plugs, 2 ea x 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

