

## 👉 Description:

The premium low temperature BOD incubators of the ZXSP-series from LABWIT are designed to meet a variety of advanced experimental needs, ranging from BOD determination to incubation of micro-organism cultures, preservation of samples, Drosophila incubation and determination of enzymatic activities. All these applications require precise and constant temperature control. Each model has a wide temperature range from -10 °C to 65 °C and can be operated at a single user defined temperature, but can also be programmed with up to 9 different temperature segments within a time frame. (18 steps). The (cooling) compressor runs continuously and the control are done through a solenoid valve for more precise temperature control if lower than ambient temperatures are required.

Both the interior and exterior are made of robust materials for lifetime operations. The inner chamber is made of high quality #304 stainless steel sheets, with 4 round covered corners. All exposed edges are de-burred to insure no sharp edges. The exterior is cold rolled steel finished with powder coated polyurethane finish, which is resistant to most chemicals and easily cleaned with mild household detergents.



## 👉 Features:

- \* P.I.D. microprocessor ensures the precision of temperature control under both fixed value mode and program mode.
- \* 4.3" TFT touch screen panel displays all parameters, easy operation and readout for all control modes.
- \* Three-dimensional heating system ensures fast response, and high uniformity of  $\pm 1.0^{\circ}\text{C}@37^{\circ}\text{C}$ .
- \* Air tight outer door design ensures optimized insulation, achieving best temperature controlling performance under low temperature setpoint.
- \* Sound cooling system with CFC free refrigerant and automatic defrosting system ensure long term operation at low temperature setpoint without frosting issue.
- \* Real-time electronic timer from 0 to 9999 minutes.
- \* Non-volatile memory retains pre-set parameters in case of power interruption.
- \* Triple safety protections for samples, incubator and environment.
- \* All electrical components are fully accessible after removing the top-cover
- \* Independent device for over temperature, high current flow and electric leakage.
- \* Standard configurations; forced air circulation, a fluorescent lamp, 50 mm test port and 2 grids, built-in printer.
- \* Optional UV Lamp, RS-232 interface available.

## Specifications:

Model	ZXSP-R0160	ZXSP-R0270	ZXSP-R0430
Volume (L)	160	270	430
Door Type	Single door with high-density insulation		
Temperature Range (°C)	-10 to 65		
Temperature Accuracy (°C)	0.1		
Temperature Uniformity (°C)	±1.0 @37°C		
Alarm	enabled		
Timer (min)	0-9999		
Settings	Digital		
Display	4.3" TFT Touch Screen		
Grid size (mm) (WxD)	380x456	477x556	513x656
Grids No.	2 (Max.15)	2 (Max. 18)	2 (Max. 25)
Inner dimensions (mm) (WxDxH)	500x500x650	600x600x750	700x645x950
Exterior dimensions (mm) (WxDxH)	650x680x1380	750x780x1480	850x820x1680
Packing dimensions (mm) (WxDxH)	720x750x1540	820x850x1640	920x890x1840
Net/Gross Weight (kg)	98/145	130/180	180/220
Power (W)	860	950	1350
Electricity	220/240 Volt 50/60 Hz		
Approval	CE, ISO		

## Order Information:

ZXSP-R0160	ZXSP-R0160,160L, Low Temperature BOD Incubator, -10-65°C
ZXSP-R0270	ZXSP-R0270,270L, Low Temperature BOD Incubator, -10-65°C
ZXSP-R0430	ZXSP-R0430,430L, Low Temperature BOD Incubator, -10-65°C
P9030	Grid Plate for ZXSP-R0160, S/S
P9031	Grid Plate for ZXSP-R0270, S/S
P9032	Grid Plate for ZXSP-R0430, S/S

※ S/S: Stainless Steel



Control Panel



Shelf Rack