



ZXSP-R0270



PREMIUM LOW TEMPERATURE Incubators

These premium incubators of the ZXSP-R series features advanced cooling system as well as more engineered structure design which make it possible to cool down as low as -10°C .

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.

- ▶ Gas tight and high density insulated outer door without glass window ensures excellent chamber insulation even when running at minus temperatures.
- ▶ 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.
- ▶ Optional UV Lamp, RS-232 interface available.
- ▶ 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.
- ▶ 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.
- ▶ No inner glass door is included.



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)	700x810x1540	820x850x1640	920x890x1840
Net/Gross Weight (kg)	98/145	153/203	180/220
Power (W)	860	950	1350
Electricity	220/240 Volt 50/60 Hz		
Approval	CE, ISO		

Order Information

ZXSP-R0160	ZXSP-R0160,160L, Premium Low Temperature BOD Incubator, -10-65°C
ZXSP-R0270	ZXSP-R0270,270L, Premium Low Temperature BOD Incubator, -10-65°C
ZXSP-R0430	ZXSP-R0430,430L, Premium 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





ZXSD-B1160



ECONOMIC BOD Incubators

The BOD incubators of the ZXSD-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 of the four models has a wide temperature range from ambient -18 °C (minimum 4°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.

ZXSD-series BOD incubators also feature a back-up program in case of power failures, the stored parameters remain in the memory of the microprocessor. Your experiment therefore resumes under the same conditions even when interrupted by an interruption of power.

- ▶ P.I.D. microprocessor ensures the precision of temperature control under both fixed value mode and program mode.
- ▶ Large blue LCD display for temperature diagram, easy readout for program control.
- ▶ Three-dimensional heating system ensures fast response, and high uniformity of $\pm 1.0^{\circ}\text{C}@37^{\circ}\text{C}$.
- ▶ Sound cooling system with CFC free refrigerant.
- ▶ Real-time electronic timer from 0 to 999 minutes.
- ▶ Password protection of all parameters against unauthorized access.
- ▶ Non-volatile memory retains pre-set parameters in case of power interruption.
- ▶ Triple safety protections for samples, incubator and environment.
- ▶ Independent device for over temperature, high current flow and electric leakage.
- ▶ Standard configurations; a double layer tempered glass observe window in outer door, an inner glass door, forced air circulation, a fluorescent lamp, 50 mm test port and 2 grids.
- ▶ Optional built-in printer, UV Lamp, RS-232 interface available.



Model	ZXSD-B1090	ZXSD-B1160	ZXSD-B1270	ZXSD-B1430
Volume (L)	90	160	270	430
Door Type	Outer door with observation window, and heat resistance glass inner door			
Temperature Range (°C)	4 to 65			
Temperature Accuracy (°C)	0.1			
Temperature Uniformity (°C)	±1.0 @ 37°C			
Alarm	Enabled			
Timer (min)	0-999			
Settings	Digital			
Display	LCD			
Grids Included	2 (Max 11)	2 (Max 15)	2 (Max 18)	2 (Max 25)
Grid Size (mm) (WxD)	310x356	410x456	513x556	555x656
Inner Dimensions (mm) (WxDxH)	400x410x550	500x500x650	600x600x750	700x645x950
Exterior Dimensions (mm) (WxDxH)	550x555x1280	630x740x1380	750x840x1480	840x880x1680
Packing Dimensions (mm) (WxDxH)	620x625x1440	700x810x1540	820x810x1640	910x950x1840
Net/Gross Weight (kg)	68/108	98/145	153/203	180/220
Power (W)	710	860	950	1350
Electricity	220-240V 50/60 Hz			
Approval	CE, ISO			

Order Information

ZXSD-B1090	ZXSD-B1090,90L, Economic Cooled BOD Incubator, 4-65°C
ZXSD-B1160	ZXSD-B1160,160L, Economic Cooled BOD Incubator, 4-65°C
ZXSD-B1270	ZXSD-B1270,270L, Economic Cooled BOD Incubator, 4-65°C
ZXSD-B1430	ZXSD-B1430,430L, Economic Cooled BOD Incubator, 4-65°C
P9010	Grid Plate for ZXSD-B1090, ZXSD-R1090, S/S *
P9011	Grid Plate for ZXSD-B1160, ZXSD-R1160, S/S
P9012	Grid Plate for ZXSD-B1270, ZXSD-R1270, S/S
P9013	Grid Plate for ZXSD-B1430, ZXSD-R1430, S/S

* S/S: Stainless Steel

