

Economic BOD Incubators



Descriptions:

ZXSD-B1160

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.

Features:

- 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.
- **New** Automatic defrosting: only minimal ice formation and very low heat discharge into working area occurs the unit can continue operating when defrosting
- **New** 3 steps adjustable fan speed, offering more precisely controlled environment of incubations, without concerns of media or samples drying out.
- 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.

Advanced Solutions for Scientific Discovery!

Specifications:

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			
Cooling System	Automated, with R134A Refrigerant			
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	130/180	180/220
Power (W)	710	860	950	1350
Standard Configuration	Fluorescent lamp, 50 mm Test Port			
Options	Built-in Printer, UV LAMP, RS-232 interface			
Electricity	220-240V 50/60 Hz			
Approval	CE, ISO			

Ordering Information:

Part NO.	Description	Part NO.	Description
ZXSD-B1090	ZXSD-B1090, 90L, Economic Cooled BOD Incubator, 4-65°C	P5022	UV Lighting, 8W, for ZXSD/ZXSP Series
ZXSD-B1160	ZXSD-B1160, 160L, Economic Cooled BOD Incubator, 4-65°C	P9010	Grid Plate for ZXSD-B1090, ZXSD-R1090, S/S※
ZXSD-B1270	ZXSD-B1270, 270L, Economic Cooled BOD Incubator, 4-65°C	P9011	Grid Plate for ZXSD-B1160, ZXSD-R1160, S/S
ZXSD-B1430	ZXSD-B1430, 430L, Economic Cooled BOD Incubator, 4-65°C	P9012	Grid Plate for ZXSD-B1270, ZXSD-R1270, S/S
P5016	RS-485 Interface	P9013	Grid Plate for ZXSD-B1430, ZXSD-R1430, S/S
P5021	RS-232 Interface	※ S/S: Stainless Steel	



Adjustable Shelving
System



#304 Inner Chamber



Door Knob

Labwit quality assurance program demands the continuous assessment and improvement of all Labwit products. Information in this leaflet could thus change without notification and does not constitute a product specification. Please contact Labwit or their representatives if you require more details

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