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ZXSD-A Series
ZXSR-Series (New)
Cooled Incubators

Description:

ZXSD-A series incubators are designed to meet a variety of advanced experimental needs ranging from B.O.D determination to incubation of microorganisms cultures, preservation of samples, determination of enzymatic activities, growth of bacteria, yeast, insect, plant cells and all those applications that require tight temperature control. The compressor-cooled incubators offer you rapid temperature changeover between heating and cooling in ramp operations, 9 programs can be defined and stored in the memory for running multiple "ramp and soak" cycles, or for just running at one temperature setpoint for a given time and then switching automatically to another temperature setpoint for another given time, thus you can easily edit a temperature profile for automatic incubation over the weekend, or let the incubator place your cultures in metabolic status until you are ready to attend to them. This means incredible convenience and functionality, making the incubator ideal for many lab situations and research applications.

Features:

1. Advanced P.I.D microprocessor control
2. Forced-air circulation
3. Compressor-cooled
4. Intelligent defrosting function
5. Auto-diagnostics with error messages
6. Real-time clock & timer
7. Delayed heating start and stop function
8. Audible and visible alarm on over-and undertemperature
9. Password protection, manipulation proof to children and outsiders.
10. Relay for immediate heating cutoff in case of fault
11. Non-volatile memory retains preset parameters during a power failure.
12. Large LCD display for easy digital setting and fast readout
13. Fluorescent lamp installed as standard
14. Inner glass door installed as standard
15. Access port for external sensors
16. See-through window provides complete visibility to the interior.
17. Cleaning is easy due to SUS304 mirror-finished stainless steel interior.
18. Servicing is easy due to modular structure construction.
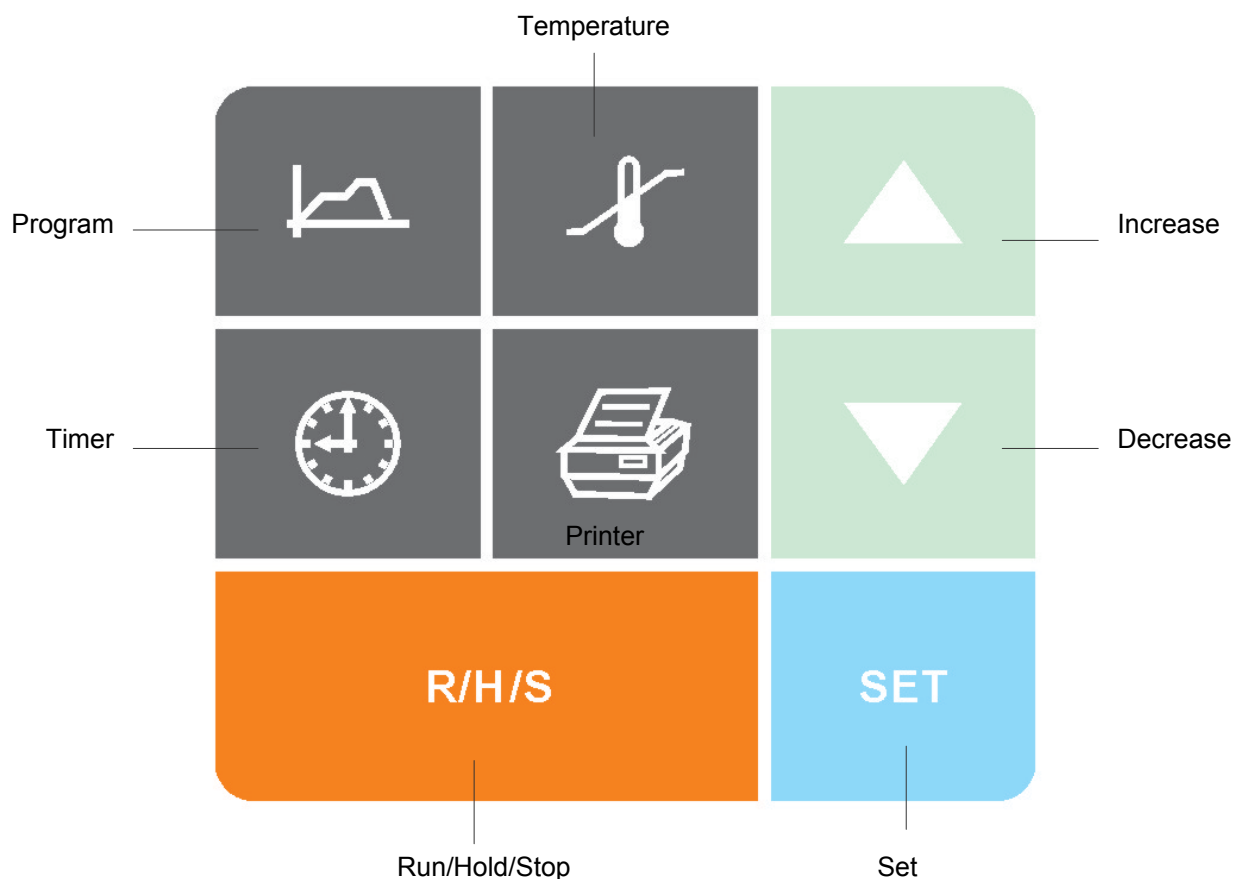19. Extra shelves available
20. CE Conformance

Specifications:

Model	ZXSD-A1090	ZXSD-A1160	ZXSD-A1270	ZXSD-A1430
Capacity (Volumn)	90L	160L	270L	430L
Controller	P.I.D microprocessor			
Temperature Range	ambient-20 to 65°C (or 4~65°C)			
Minimum temperature setpoint	4°C			
Temperature Set Resolution	±0.1°C			
Temperature Uniformity	±0.5~1°C			
Temperature Fluctuation	±0.5°C			
Timer	1~999 minutes			
Airflow	Forced-air Circulation			
Refrigeration	Compressor-cooled, R134a			
Defrosting	Automatic			
Operation Modes	Manual, Programmble Mode			
Setting	Digital			
Display	LCD			
Shelf numbers	2			
Access Port	Φ50mm, for external sensors.			
Inner glass door	Installed as Standard			
Illumination	Fluorescent lamp			
Functions	Auto-diagnostics, over-and undertemperature alarm, relay for heating cutoff, electric leakage protection, real time clock, auto-and delayed start, weekly programmer, non-volatile memory.			
Interior Size mm	400x400x550	500x500x650	600x600x750	700x645x950
Exterior Size mm	530x540x1260	630x640x1360	730x740x1460	830x785x1660
Power	600W	700W	850W	1200W
Net Weight (Kg)	68	98	108	130
Electrical Connection	AC220~230V 50/60Hz			
Approval	CE Marked			
Warranty	1 Year or more			

Low Temperature Cooled Incubators (without inner glass door)

Model	ZXSP-A0160	ZXSP-A0270	ZXSP-A0430
Capacity (Volumn)	160L	270L	430L
Controller	P.I.D microprocessor		
Temperature Range	-10~65°C		
Minimum temperature setpoint	-10°C		
Temperature Set Resolution	±0.1°C		
Temperature Uniformity	±0.5~1°C		
Temperature Fluctuation	±0.5°C		
Timer	1~999 minutes		
Airflow	Forced-air		
Refrigeration	Compressor-cooled, R134a		
Defrosting	Automatic		
Operation Modes	Manual, Programmble Mode		
Setting	Digital		
Display	LCD		
Shelf numbers	2		
Access Port	Φ50mm, for external sensors.		
Inner glass door	None		
Illumination	Fluorescent lamp		
Functions	Auto-diagnostics, over-and undertemperature alarm, relay for heating cutoff, electric leakage protection, real time clock, auto-and delayed start, weekly programmer, non-volatile memory.		
Interior Size mm	500x500x650	600x600x750	700x645x950
Exterior Size mm	650x680x1360	750x780x1460	850x820x1660
Power	750W	900W	1250W
Net Weight (Kg)	98	140	185
Electrical Connection	AC220~230V 50/60Hz		
Approval	CE Marked		
Warranty	1 Year or more		

Control Panel

Temperature

Program

Increase

Timer

Printer

Decrease

R/H/S

SET

Run/Hold/Stop

Set

Overview of control panel

ZHICHENG®

PV   RUN   ⚠ ALARM

SV   HOLD   ♨ HEATING

TM   COLD

R/H/S   SET
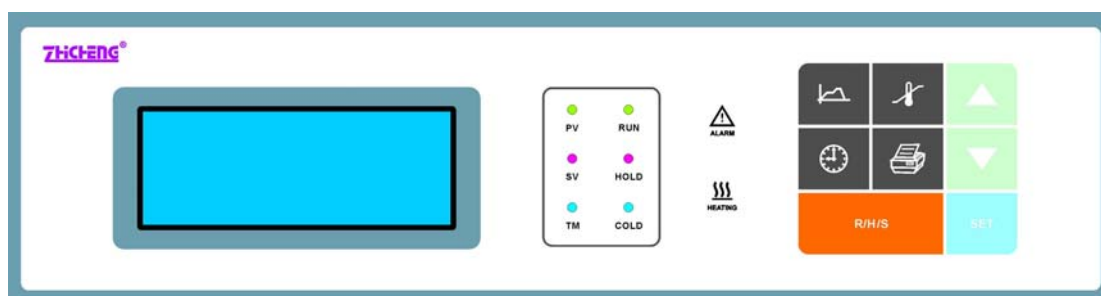
Indicator Lights
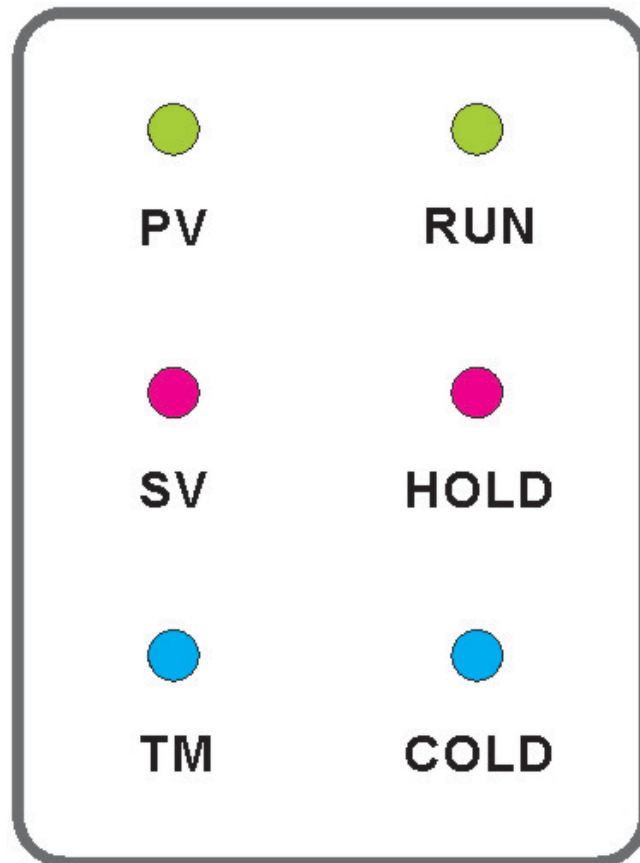
O PV: Present measured temperature value
O SV: Setting temperature value
O TM: Timer indicator
O RUN: Running indicator
O HOLD: Temperature hold indicator
O COLD: Refrigerating indicator

65K colors, 4.3 inch touch screen controller for easy and intuitive operation

The cooled incubators can also be equipped with an user-friendly interface with a modern design intuitive touch screen controller for easy operation. With the 65K colors, 4.3 inch touch screen controller, controls for entering the setpoints becomes exceptionally easy, display is bright and clearly visible from all angles.

Default Setting

Running Mode Options
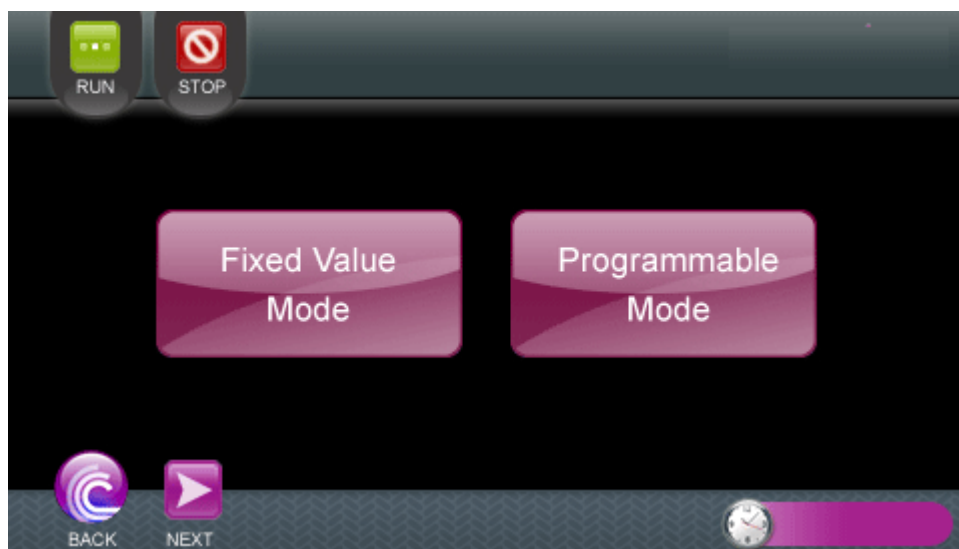
Programmable Mode Setting

Alarm Setting

Printer Setting

P.I.D Setting

Temperature Calibration

Applicable to the models: ZXSR-1090, ZXSR-1160, ZXSR-1270, ZXSR-1430.

Specifications:

Model	ZXSR-1090	ZXSR-1160	ZXSR-1270	ZXSR-1430
Capacity (Volumn)	90L	160L	270L	430L
Controller	Intelligent microprocessor-based Touch Screen Controller			
Temperature Range	ambient-20 to 65°C (or 4~65°C)			
Minimum temperature setpoint	4°C			
Temperature Set Resolution	±0.1°C			
Temperature Uniformity	±0.5~1°C			
Temperature Fluctuation	±0.5°C			
Timer	1~999 minutes			
Airflow	Forced-air Circulation			
Refrigeration	Compressor-cooled, R134a			
Defrosting	Automatic			
Operation Modes	Manual, Programmble Mode			
Setting	Digital			
Display	Touch Screen			
Shelf numbers	2			
Access Port	Φ50mm, for external sensors.			
Inner glass door	Installed as Standard			
Illumination	Fluorescent lamp			
Functions	Auto-diagnostics, over-and undertemperature alarm, relay for heating cutoff, electric leakage protection, real time clock, auto-and delayed start, weekly programmer, non-volatile memory.			
Interior Size mm	400x400x550	500x500x650	600x600x750	700x645x950
Exterior Size mm	530x540x1260	630x640x1360	730x740x1460	830x785x1660
Power	600W	700W	850W	1200W
Net Weight (Kg)	68	98	108	130
Electrical Connection	AC220~230V 50/60Hz			
Approval	CE Marked			
Warranty	1 Year or more			

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