

**ZDP_A Series
Incubators
(Programmable)
(Non-refrigerated)**



Description:

ZDP_A Series programmable Incubators provided by ZHICHENG offer an economical method to a variety of microorganism cultures. As a standard feature, each of the incubators has a high precision microprocessor controller that maintains accurate temperature control of the chamber in the range of ambient +5°C to 65°C with an accuracy of $\pm 0.1^\circ\text{C}$. An alarm is incorporated to warn of overtemperature deviations, and user-friendly sealed control panel allows easy digital setting and fast readout. The incubators can store 9 programs 18 steps in memory. Steps can be set for running multiple "ramp and soak" cycles, or for just running at one temperature for a given time and then switching automatically to another temperature for another given time. Each program can be made to repeat from 1 to 99 times automatically. The incubators can also be used in the non-programmable mode as a normal incubator. ZDP_A Series Programmable Incubators are available in the capacity ranging from 50L to 270L.

Features:

- 1) P.I.D microprocessor control
- 2) Fully programmable through the keyboard
- 3) Forced-air circulation provides excellent temperature uniformity
- 4) Real-time clock & timer with delayed autostart from 0 to 99.59 hours
- 5) Audible and visible alarm on overtemperature
- 6) Password protection on safety operation
- 7) Non-volatile memory retains preset parameters
- 8) Large LED for easy digital setting and fast readout
- 9) Triple safety protections to the specimen, the user and the incubator itself
- 10) Inner glass door provides complete visibility to the chamber

Specifications:

Model	ZDP-A2050	ZDP-A2080	ZDP-A2120	ZDP-A2160	ZDP-A2270
Capacity	50L	80L	120L	160L	270L
Performance	Heated only	Heated only	Heated only	Heated only	Heated only
Temperature	Ambient +5°C to 65°C		Ambient +5°C to 65°C		
Temperature Accuracy	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$
Temperature Uniformity	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$
Timer	1 minute to 99.59 hours	1 minute to 99.59 hours	1 minute to 99.59 hours	1 minute to 99.59 hours	1 minute to 99.59 hours
Alarm	Enabled	Enabled	Enabled	Enabled	Enabled
Setting	Digital	Digital	Digital	Digital	Digital
Display	LED	LED	LED	LED	LED
Platform Included	2	2	2	2	2
Chamber Dimension	350x350x410 mm	400x400x500 mm	450x450x600 mm	500x500x650 mm	600x550x820 mm
Exterior Dimension	470x465x760 mm	520x515x850 mm	570x565x950 mm	620x615x1000 mm	720x665x1170 mm
Electricity	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
Approval	CE, ISO	CE, ISO	CE, ISO	CE, ISO	CE, ISO
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year