

## ANAEROBIC CHAMBERS

### TYPE I



### DESCRIPTION

Anaerobic Chambers are mainly used for bacterial culture in anaerobic conditions. It cannot only culture the anaerobium which is difficult to grow in the general environment, but also help the anaerobium to avoid the risk of death in case of meeting with oxygen.

### FEATURES

ACHB-II type anaerobic incubator consists of thermostats incubator, vacuum sampling room, anaerobic room, gas path, circuit control system, and incubator rack. The whole machine shape is new modeled, the structure tightly packed. It has many advantages such as good anaerobic environment, good sealing performance, high precision for gas check and temperature control, stability, easy operation, gas saving, economy, work safety and reliability, they can be described as follows:

- 2.1 It adopts advanced scientific means to achieve high precision anaerobic environment, it is reliable & stable.
- 2.2 Thermostat incubator uses high precision figure mode to display the temperature of thermostat, it can not only show the temperature in the room, but also automatically control the temperature even when the thermostat is out of control. It can efficiently limit the temperature in a range and ensure the object to grow in safe temperature.
- Ultraviolet germicidal lamp is assembled in the room and it can avoid any other bacteria to affect the object. User can set the germicidal time themselves.
- Gas path can freely adjust the flow, and allow any required gas in.
- The front window of the operating room is made by a special thick transparent glass, and user can watch the objects directly. It is comfortable, flexible, and easy to operate with the use of latex gloves.
- There is special vaccination sterilizer in the operating room, and cuvette wax-melting device.
- Deaerator catalytic converter is equipped in the room.
- The working chamber is made of stainless steel.
- UV Sterilization.

### TYPE II



## MAIN TECHNICAL DATA

ACHB-II type anaerobic incubator consists of thermostats incubator, vacuum sampling room, anaerobic room, gas path, circuit control system, and incubator rack. The whole machine shape is new modeled, the structure tightly packed. It has many advantages such as good anaerobic environment, good sealing performance, high precision for gas check and temperature control, stability, easy operation, gas saving, economy, work safety and reliability, they can be described as follows:

- It takes less than five minutes to form anaerobic environment in the sampling room.
- It takes less than one hour to form anaerobic environment in the sampling room.
- If stop supplying micro mixed gas, the anaerobic environment can be kept greater than 12 hours.
- Working temperature : Room temperature + 3~5°C
- Temperature fluctuation in incubator  $\leq \pm 0.3^\circ\text{C}$ ; Temperature Uniformity  $\leq \pm 1.0^\circ\text{C}$
- Volume of operating room : Length 900mm, width 650mm, height 650mm; Volume of incubator : Length 250mm, width 190mm, height 290mm
- Power Supply : AC 220V  $\pm$  10%, Power : 600 VA

## SPECIFICATIONS

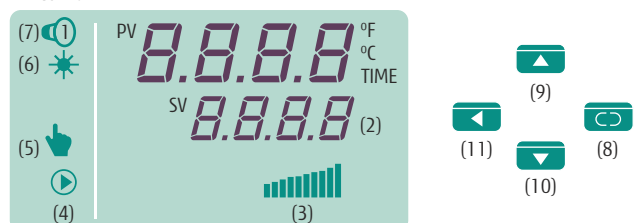
Model	ACHB-I	ACHB-II
Time for creating anaerobic state in sample chamber	<5 min	
Time for creating anaerobic state in incubation chamber	<1 hour / Oxygen percentage : $\leq$ 1%	
Time for maintaining anaerobic environment	In the case of stopping compensation of the little mixture, >12	
Time control range for the incubation chamber	RT+3°C~60°C	
Temperature fluctuation for incubation chamber	$\pm 0.3^\circ\text{C}$	
Temperature uniformity for incubation chamber	$\pm 1^\circ\text{C}$	
Power / Rate	220V, 50Hz/110 V/380 V/600W	
N.W/G.W (Kg)	240/320	
Internal Dimension of the Incubation Chamber (cm)	25X19X29	25X19X29
Dimension of Operation chamber (cm)	81X65X66	81X65X66
Overall Dimension (cm)	126X73X138	126X73X138
Package Size (cm)	139X92X156	139X92X156

## ACHB-II OTHER CHARACTERISTICS

ACHB-II type also has the following characteristics:

- High precision
- Big LED display screen

YL65-201



## I - STARTING

<b>PV display</b>	: Display measuring temperature or according to the instrument condition of various prompt
<b>SV display</b>	: Display set temperature and time and all kinds of parameters according to the instrument status display timing
<b>The percentage of the column display</b>	: display heating control output
<b>Run lamp</b>	: Bright to runtime
<b>Auto turing lamp</b>	: When in auto turing flicker
<b>Heat Lamp</b>	: bright at heating output bright
<b>Alarm lamp</b>	: Over temperature alarm, when the temperature more than set temperature
<b>Set Key</b>	: Used to set data to modify and parameters of modified confirmed
<b>Increase Key</b>	: Used to set data and control parameter to modify or running state of the query
<b>Reduce Key</b>	: Used to set data and control parameter modifications or changes in the running state
<b>Shift Key</b>	: Used to set data and control parameter shift or enter a auto turing



## II - EACH FUNCION IN DETAIL

- If the display on the PV area upper "0000" Then sensor input or the signal more than measurement limit, If the display on the PV area lower "0000". Short circuit or the input signal is lower than the lower limit range sensor, when the input signal is beyond the scope of range, buzzer, press any key to mute.
- **Set value and timing time of change** : Press the set key, PV area is shown as SP, pressing the shift or increase key and Reduce key, Adjust to the required set temperature, Press the set key for confirmation, PV are is shown as St time setting, pressing the shift or increase key and Reduce key, Adjust to the need of time regularly. Press the set key confirmation, back to the standard model.
- **Timing function** : When ST is set to 0, instrument cancel the timing function and instrumentation has been run continuously; When ST set is not 0, the instrument is timing function, when the meter running time, the SV display END, Buzzer, stop working, press any key can be muted.
- **Auto turing function** : In the standard state long press the shift key after 4 seconds, Instrument began auto turing, This time auto turing lamp is on; after Calculated to get a set of quick heat of PID parameters, Instrument according to new PID parameter control. New PID parameter can check on the instrument.



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