

HYPOXIC INCUBATOR



Black Chamber Available

Gas Controller

Hypoxic/Anaerobic Incubator
(Without Temperature Control)



Gas Controller

Hypoxic/Anaerobic Incubator
(With Temperature Control)



Two/Three-channel Hypoxic/Anaerobic Incubator
With Temperature Control



Chambers can be controlled by a single controller and each chamber can be set to different O₂ or CO₂ concentration

01 ACCURACY

- Precise Control of O₂ and CO₂
 - ✓ O₂ Control: 0.0% - 20.9%, in 0.1% increments
 - ✓ CO₂ Control: 0.03% - 20.0%, in 0.1% increments
 - ✓ O₂ and CO₂ sensor can monitor the gas environment in the real-time
- Incubator with temperature control
 - ✓ Temperature control: 5°C above ambient up to 45°C, in 0.1°C increments
 - ✓ Temperature sensor can detect the temperature inside the incubator in real-time

- Programmable four-stage hypoxic cycle
 - ✓ User can preselect 4 levels of O₂ and CO₂ and set the duration of each pair of set points.

Hypoxic Cycle Settings

O₂ CO₂ N₂
2020.6.22 20:20:24

PARAMETER SETTING:			STATE: WAITING	
	O ₂ (%)	CO ₂ (%)	TIME(MIN)	
STEP1	10.0	5.0	2	O ₂ VALUE: 11.0 % ACT1: 0
STEP2	8.0	5.0	2	CO ₂ VALUE: ACT2: 0
STEP3	5.0	5.0	2	4.9 % ACT3: 0
STEP4	2.0	5.0	2	ACT4: 0
CYCLES	3			CYCLES: 0

START
BACK

- USB data logging system holds 3 months of continuous data storage

TREND LOG

DATE	TIME	O2 SET	O2 VALUE	CO2 SET	CO2 VALUE
2017/1/21	10:10:29	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:11:12	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:12:56	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:13:15	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:14:23	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:16:29	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:18:12	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:20:56	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:21:15	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:22:23	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:23:22	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:24:12	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:25:56	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:26:34	10.0%	10.0%	12.0%	12.0%
2017/1/21	10:27:32	10.0%	10.0%	12.0%	12.0%

DELETE
USB SAVE
BACK

- One-touch calibration for O₂ and CO₂ sensor
 - ✓ The O₂ and CO₂ sensors can be automatically calibrated to guarantee the accuracy of gas concentration detection.

Hypoxic Incubator Control Panel

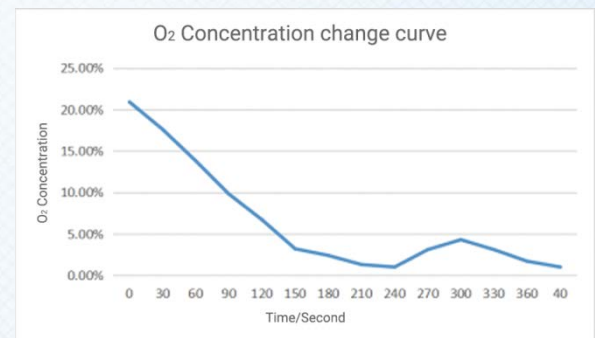
O₂ **CO₂** N₂
2020.6.22 12:18:54

PARAMETER SETTINGS:	
O ₂ SET POINT: 5.0 %	CO ₂ SET POINT: 7.0 %
O ₂ CUR VALUE: 11.1 %	CO ₂ CUR VALUE: 4.9 %

RUNNING STATE: WAITING

STOP
O₂ CAL
CO₂ CAL
BACK

- Fast initial and recovery time
 - ✓ Rapidly achieve the set gas concentration, temperature, and humidity after the door is closed.



- Removable shelves for culture flasks or small equipment placement.
- Built-in air pump and filter are used to provide the oxygen supply, avoiding the need for a compressed air cylinder.
- Optional anaerobic/hypoxic system in one incubator.

02 CUSTOMISED ENCLOSURES



Integration of ELISA instruments into a Hypoxia Incubator



Integration of Seahorse into a Hypoxia Incubator



Integration of HCS instrument into a Hypoxia or Anaerobic Incubator



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