

Hydrogen Free Anaerobic Chamber

- No Gas Required to Maintain Anaerobic Conditions



Dual O₂ Monitoring System

- ☆ Real-time O₂ monitoring for precise atmosphere management
- ☆ Dual-Sensor Verification:
Combines both percentage (%) and parts-per-million (ppm) sensors for highly accurate data recording

Optional Temp & Humidity Control

- ☆ Temperature Control:
3°C above ambient up to 45°C, in 0.1°C increments
(Optional high/low temperature control)
- ☆ Humidity Control:
Room humidity to 85%, in 1% increments

High-Efficiency Purification System

- ☆ Delivers sustained ultra-low oxygen levels with long-lasting catalyst life, minimizing the need for frequent regeneration
- ☆ Maintains a consistently stable anaerobic atmosphere with oxygen levels < 1ppm
- ☆ Routine annual regeneration can be done remotely or at the factory, eliminating any H₂ exposure in the lab



True Hydrogen-Free Operation

- ☆ Ensures zero hydrogen interference for sensitive experiments
- ☆ The detachable purifier design enables complete hydrogen-free lab management, eliminating associated safety risks

Acrylic Chamber Construction

- ☆ Manufactured from high-quality, annealed poly (methyl methacrylate) (PMMA) panels
- ☆ Offers structural stability, excellent visibility, thermal insulation, and is non-toxic/odorless

Intuitive Touchscreen Interface

- ☆ User-friendly control panel for effortless operation and system monitoring



Enhanced Filtration System

- ☆ HEPA 14 filter available for superior particle removal and a pristine environment



High-Integrity Interlock

- ☆ Maintains the pristine internal atmosphere during sample/equipment transfer
- ☆ Purges the interlock to ppm-level O₂ via vacuum-and-flush function



Efficient Data Recording

- ☆ Effortlessly record experiment data, including O₂, Humidity, Temperature and Pressure
- ☆ Easily access and monitor data logs, aiding in optimizing experimental parameters

No.	TIME	DATE	O2 SP	O2 CP	CO2 SP	CO2 CP	Humidity SP	Humidity CP	Temp SP	Temp CP
481	14:59:02	10/15/2023	1.0	19.7	0.0	0.0	0.0	22.0	0.0	24.0
482	14:58:02	10/15/2023	1.0	19.8	0.0	0.0	0.0	22.0	0.0	24.0
483	14:57:02	10/15/2023	1.0	19.9	0.0	0.0	0.0	23.0	0.0	24.0
484	14:56:02	10/15/2023	1.0	19.8	0.0	0.0	0.0	23.0	0.0	24.0
485	14:55:02	10/15/2023	1.0	19.8	0.0	0.0	0.0	23.0	0.0	24.0
486	14:54:02	10/15/2023	1.0	19.7	0.0	0.0	0.0	23.0	0.0	24.0
487	14:53:02	10/15/2023	1.0	19.9	0.0	0.0	0.0	23.0	0.0	24.0
488	14:52:02	10/15/2023	1.0	19.8	0.0	0.0	0.0	23.0	0.0	24.0
489	14:51:02	10/15/2023	1.0	19.7	0.0	0.0	0.0	24.0	0.0	24.0

SPECIFICATIONS

Internal Dimension (W/D/H mm)	800/700/600	External Dimension (W/D/H mm)	1200/900/800
Capacity (petri dishes)	700/651	Interlock Capacity (petri dishes)	66x90mm
Gas Supply for Interlock	N ₂	Table Dimension (W/D/H mm)	1300/900/950
Real-Time Oxygen & Pressure Detection	Available	Gas Sensor Calibration	Available
Direct Entry System	Available	Detachable Side Panel	Available
Data Logging System	Available	Real-time Data Graphing	Available
Internal Socket & Light	Available	Cylinder Low Pressure System	Available
Three-Tiered User Password	Available	12 Months Warranty	Available

OPTIONS

HEPA Filtration System	YY025	Temp Control with Alarm	YY032
Humidity Control with Alarm	YY031	CO ₂ Control with Alarm	YY023
Detachable Front Panel	YY005	Additional Socket	YY022
Sidewall Pipette Holder	YY021	Cable Port	YY009
12 Adjustable Light Levels	YY019	High Temperature Chamber	GC-HT
Warranty Extension	Flexible		

PRODUCT IMAGE

