

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	O ₂ SP	O ₂ CP	CO ₂ SP	CO ₂ 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)	770/600/558	External Dimension (W/D/H mm)	1200/800/735
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

