

HYPOXIA WORKSTATION



ACCURACY

Precise Gas Control

- ☆ O₂ Control: 0.1% - 25.0%, in 0.1% increments
- ☆ CO₂ Control: 0.1% - 20.0%, in 0.1% increments

Precise Temperature and Humidity Control

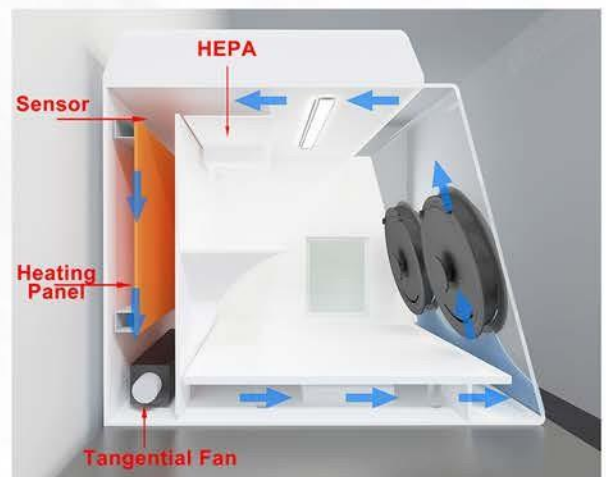
- ☆ Temperature Control: 3°C above ambient up to 45°C, in 0.1°C increments (Optional high/low temperature control)
- ☆ Humidity Control: Room humidity to 85%

Your All-In-One Cultivation Solution

- ☆ Intelligent fine-tuning of three gases for long-term stability at set values
- ☆ Grow your samples directly in our workstation – No need for additional incubator!!

Advanced Gas Circulation Design

- ☆ Ensures an exceptional level of homogeneity in gas distribution throughout the workstation
- ☆ Consistent airflow contributes to accurate and reliable experimental outcomes



CLEANLINESS

Enhanced Filtration System

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



Innovative Acrylic Construction

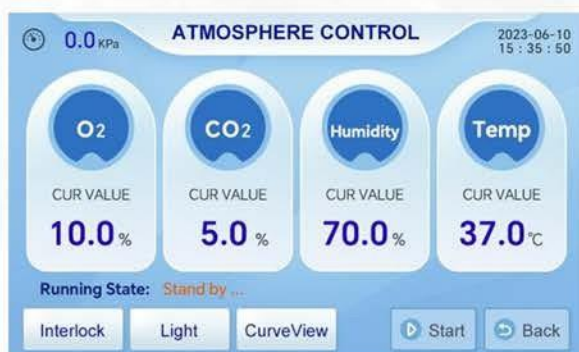
- ☆ Panels molded from a single piece of acrylic to reduce condensation and microbial growth
- ☆ Enhanced acrylic Integrity with Annealing Process for enhanced durability



CONVENIENCE

Intuitive and User-Friendly Interface

- ☆ Streamlined screen pages for a simple and effortless user experience



Quick Gas Sensor Calibration

- ☆ Rapid calibration of the O₂ and CO₂ sensor ensures precise gas concentration detection



Seamless Entry System (SES)

- ☆ Efficient vacuum system removes sleeve air completely, ensuring a controlled atmosphere within the workstation and allowing direct access in 12 seconds
- ☆ Operable with lab gloves, ensuring seamless and convenient handling
- ☆ Glove port caps easily "parked" in special holders, optimizing workspace utilization
- ☆ Optional **Direct Entry System (DES)** or **Glove Entry System (GES)** for faster, cost-effective access



Before vacuuming



After vacuuming

- ☆ Option to switch to the Glove Entry System (GES) for faster and cost-effective access



Glove Entry System (GES)

Programmable Hypoxic Cycle

- ☆ Automated adjustments of O₂ and CO₂ concentrations for efficient sample stimulation
- ☆ Capability to expand gas circulation to 10 stages for more comprehensive research



Detachable Front Panel

- ☆ Conveniently access the workstation's interior by detaching the front panel, facilitating the installation of diverse laboratory equipment

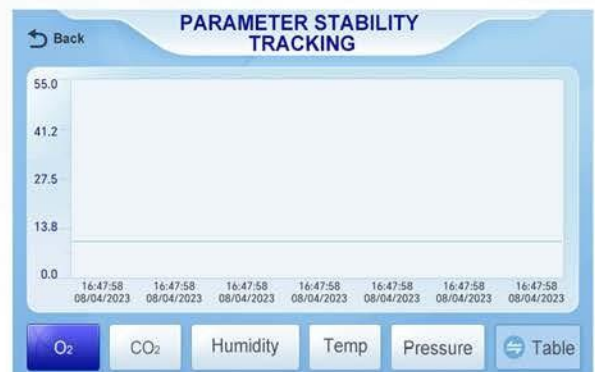


Automatic Generation of Parameter Curves

- ☆ Parameters can be automatically plotted on charts, simplifying data analysis and interpretation

Efficient Data Recording

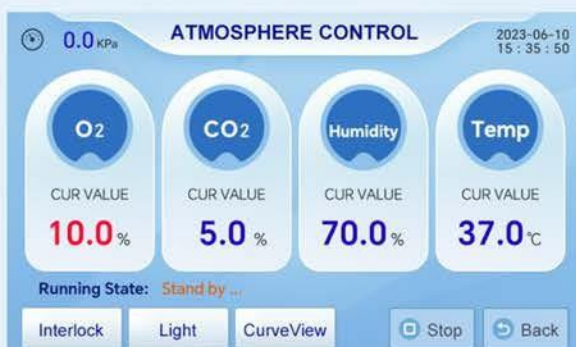
- ☆ Effortlessly record experiment data, including O₂, CO₂, Humidity, Temperature, and Pressure
- ☆ Easily access and monitor data logs, aiding in optimizing experimental parameters



SAFETY

Integrated Alarm System

- ☆ Standard voice alarms for O₂, CO₂, temp, humidity, gas cylinder pressure, and gas leak
- ☆ Real-time monitoring with on-screen alarm display



Enhanced User Security

- ☆ User password protection for controlled access and robust data security
- ☆ User-defined Username & Password



Real-time Pressure Monitoring

- ☆ Continuous pressure monitoring to ensure optimal pressure levels within the workstation

Dual Pressure Relief System

- ☆ Equipped with a classic pressure relief valve and a special pressure relief tank for enhanced safety and precise pressure regulation



PRODUCT DIMENSIONS

Model		DY-M		DY-L		DY-XL		DY-XXL		DY-TM		DY-D		DY-XD	
Internal Size	W(mm)	500	98.7L	800	158L	770	220L	770	220L	1120	363L	800	316L	770	440L
	D(mm)	470		470		520		520		590		470		520	
	H(mm)	420		420		550		550		550		420		550	
Interlock Internal Size	W(mm)	190	10L	190	10L	280	28.4L	280	39L	280	28.4L	265	19L	265	27L
	D(mm)	245		245		350		400		350		300		350	
	H(mm)	220		220		290		350		290		240		290	
Capacity (Petri Dishes)	Max	350		600		700		700		900		1200		1400	
	Suggest	308		539		651		651		741		1078		1302	
	Interlock	44		44		99		171		99		80		99	

SPECIFICATIONS

Internal Dimension (W/D/H mm)	770/520/550	External Dimension (W/D/H mm)	1200/800/735
Capacity (petri dishes)	700/651	Interlock Capacity	99x90mm
Gas Supplies	N ₂ /CO ₂ /Air or N ₂ /CO ₂	Real-Time Gas Control	Available
Temp & Humidity Control	Available	Real-Time Pressure Detection	Available
Quick Sensor Calibration	Available	Detachable Front Panel	Available
Seamless Entry System (SES)	Available	Special Interlock Purge	Available
Internal Socket & Light	Available	Dual Pressure Relief System	Available
Three-Tiered User Password	Available	Real-time Data Graphing	Available
Data Logging System	Available	Cylinder Low Pressure Alarm	Available
12 Months Warranty	Available		

OPTIONS

HEPA Filtration System	DY022	Programmable Hypoxic Cycle	DY016
Cable Port	DY009	Extra Portable O2 Meter	DY019
Single Plate Entry System (SPES)	DY006	Sidewall Pipette Holder	DY017
Vac Line Connection Port	DY008	Gas Sample Port	DY018
Additional Socket	DY020	High Temp Control Chamber	GC-HT
Anaerobic System	DY002	Micro-Pressure Chamber	DY015
Warranty Extension	Flexible		

OTHER HYPOXIA WORKSTATIONS



Hypoxia Workstation with Smaller Workspace
DY-M



Hypoxia Workstation with Larger Workspace
DY-TM



Dual Hypoxia Workstation (Large Interlock)
DY-D