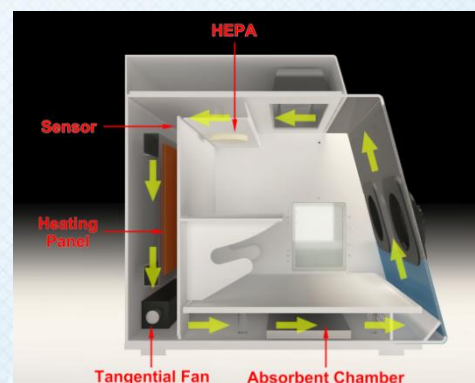


HYPOXIA WORKSTATION



01 ACCURACY

- Precise Gas Control
 - ✓ O₂ Control: 0.1% - 23.0%, 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: 20 - 55°C)
 - ✓ Humidity Control: Room humidity to 80%
- 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 incubators!!
- 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



02 CLEANLINESS

- Enhanced Dual Filtration System

- ✓ Filter membranes to purify gases upon entry into the workstation
- ✓ HEPA 14 filter available for superior particle removal and a pristine environment



- Innovative Acrylic Construction

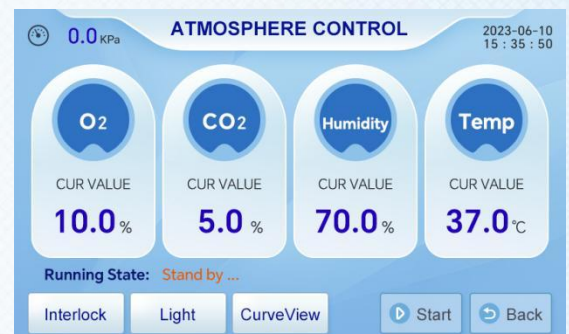
- ✓ Panels molded from a single piece of acrylic to reduce condensation and microbial growth
- ✓ Enhanced acrylic Integrity with Annealing Process for enhanced durability
- ✓ Clear acrylic front panel ensures unobstructed visibility, eliminating vapor-induced blur



03 CONVENIENCE

- Intuitive and User-Friendly Interface

Streamlined screen pages for a simple and effortless user experience



- Seamless Entry System (SES)

- ✓ Efficient vacuum pump grants direct workstation access in around 12 seconds
- ✓ Operable with lab gloves, ensuring seamless and convenient handling
- ✓ Glove port caps easily "parked" in special holders, optimizing workspace utilization

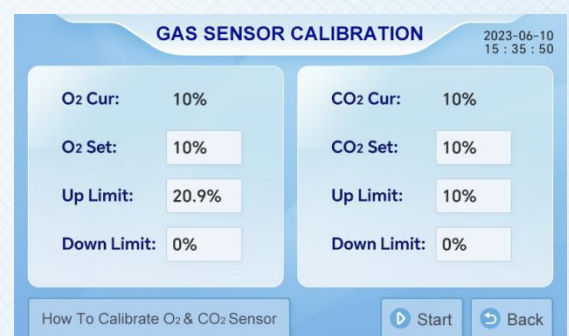


Before vacuuming

After vacuuming

- One-Touch Gas Sensor Calibration

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

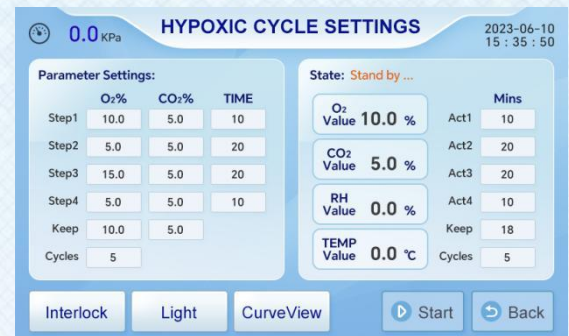


- Interlock Purge System

- ✓ Tailored to Preset Concentrations:
Adjust purging to match the workstation's preset concentration
- ✓ Custom Purging Concentrations:
Tailor the purging process to meet specific custom concentration requirements

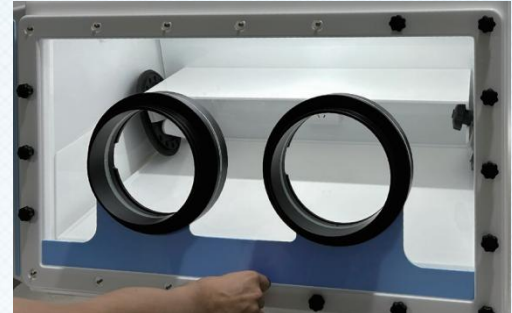
- Programmable Hypoxic Cycle

- ✓ 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

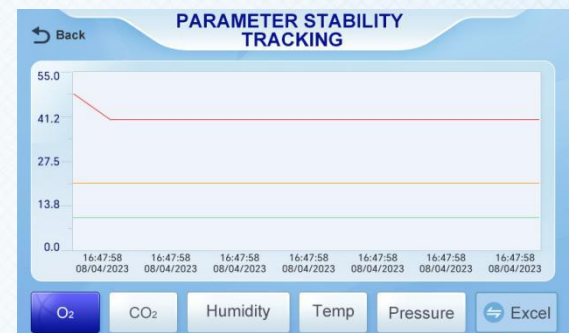


- Automatic Generation of Parameter Curves

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

- Efficient Data Recording

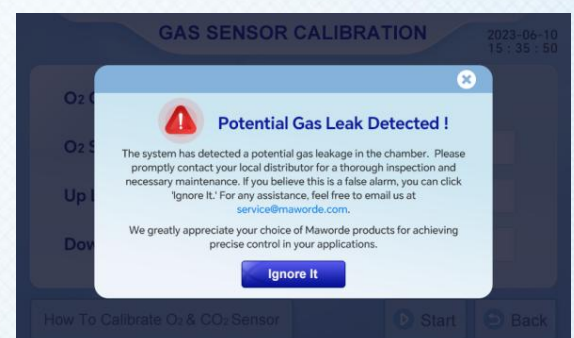
- ✓ Effortlessly record experiment data, including O₂, CO₂, Humidity, Temperature, and Pressure
- ✓ Easily access and monitor data logs, aiding in optimizing experimental parameters



04 SAFETY

- Remote Control with Alarm

- ✓ Standard voice alarms for O₂, CO₂, temp, humidity, gas cylinder pressure, and gas leak
- ✓ Optional remote control and alarms for added convenience



- Enhanced User Security

Three-tiered user password protection for controlled access and robust data security



- **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



05 PRODUCT DIMENSIONS

Model		DY-M		DY-L		DY-XL		DY-XXL		DY-TM		DY-D		DY-XD					
Internal Size	W(mm)	500	97L	800	175L	770	241 L	770	241 L	1120	363 L	800	175 L	770	241 L				
	D(mm)	460		520		570		570		590		520		570					
	H(mm)	420		420		550		550		550		420		550					
Interlock Internal Size	W(mm)	190	10L	190	10L	265	27L	280	39L	280	39L	265	27L	265	27L				
	D(mm)	245		245		350		27L		400		39L		400		39L	350	27L	350
	H(mm)	220		220		290		39L		350		39L		350		27L	290	27L	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		171		99		99					

06 SPECIFICATIONS

Internal Dimension (W/D/H mm)	800/520/420	External Dimension (W/D/H mm)	1160/710/605
Capacity (petri dishes)	600/539	Interlock Capacity	44x90mm petri dishes
Gas Supplies	N ₂ /CO ₂ /Air N ₂ /CO ₂	Real-Time Gas Control	Available
Temp & Humidity Control	Available	Real-Time Pressure Detection	Available
Quick Sensor Calibration	Available	HEPA Filtration System	Available
Seamless Entry System (SES)	Available	Detachable Front Panel	Available
Real-time Data Graphing	Available	Unique Interlock Purge	Available
Three-Tiered User Password	Available	Dual Pressure Relief System	Available
Data Logging System	Available	Cylinder Low Pressure Alarm	Available
Internal Socket & Light	Available	Activated Carbon Sachet	Available

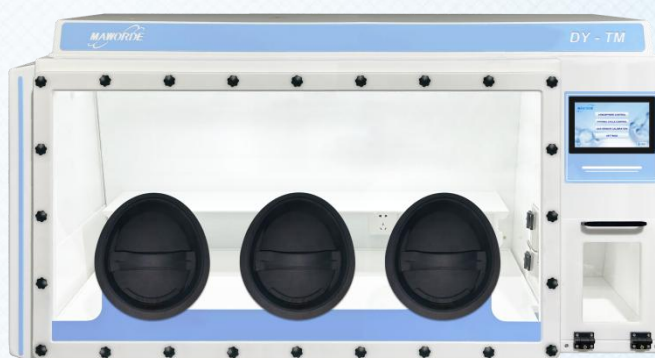
07 OPTIONS

Cable Port	DY009	Remote Control with Alarm	DY014
Programmable Hypoxic Cycle	DY016	Portable O ₂ Meter with Sensor	DY019
Single Plate Entry System (SPES)	DY006	Sidewall Pipette Holder	DY017
Vac Line Connection Port	DY008	Gas Sample Port	DY018
Add Additional Socket	DY020	High Temp Control Chamber	GC-HT
Anaerobic System	DY002	Micro-Pressure Chamber	DY015

08 OTHER HYPOXIA WORKSTATIONS



Hypoxia Workstation with Higher Workspace
DY-XL



Hypoxia Workstation with Larger Workspace
DY-TM



Dual Hypoxia Workstation (Large Interlock)
DY-D