



don whitley  
scientific  
your environment defined®

## Whitley Workstations H35 Hypoxystation

### Your environment defined

Specifically designed to create normoxic, hypoxic and anoxic conditions within a controlled and sustained workstation environment, this workstation is ideal for all research requiring the ability to accurately control oxygen, carbon dioxide, temperature and humidity.

With such accurate control and the ability to manipulate cells in situ without altering the incubation environment, cell biology research can be performed over a comprehensive range of oxygen tensions with precision and confidence.

The Hypoxystation features an integral airlock, environmental control systems, touch screen layout and our unique glove port system. With the optional Automatic Humidification System you can add moisture and maintain a sterile environment with the added benefit of being able to control specific humidity levels. The only user maintenance required is to top up the reservoir with deionised water when prompted.

This workstation has been designed in conjunction with cell biology researchers to ensure ultimate performance combined with user comfort, convenience and reliability.



O<sub>2</sub> levels monitored continually to provide you with better control and more confidence in your results

Designed specifically for researching cell biology under strictly maintained normoxic, hypoxic and anoxic conditions

Precise temperature control designed to establish and maintain the conditions you require throughout incubation and working areas

Gas mixing achieved via a fully integrated control system to rapidly create your selected environmental conditions

Integrated gas control minimises bench space requirements - no bulky external gas mixing system

Optional Automatic Humidification System



[www.hypoxystation.co.uk](http://www.hypoxystation.co.uk)

# Hypoxystation

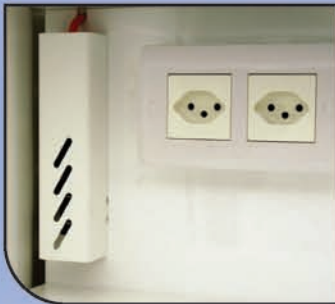
your environment defined



Easily removable front for equipment transfer and thorough cleaning



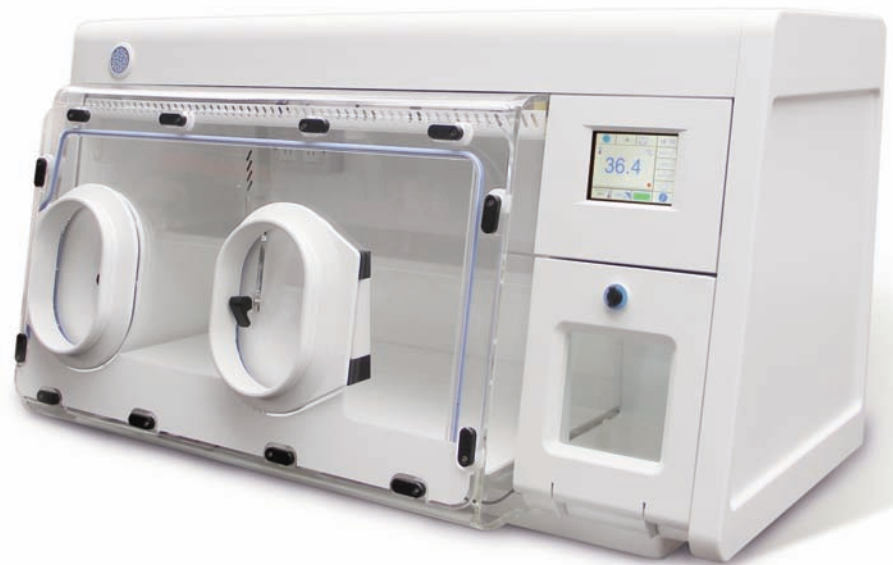
15cm Letterbox - Ideal for introducing individual samples quickly.



Optional internal power sockets and CO<sub>2</sub> feedback



12 litre rapid cycle airlock



H35 Hypoxystation with removable front

## Upgrades and Accessories

**Ao6110 Trolley** - Custom-designed trolley frees up bench space and allows the Hypoxystation to be moved easily between laboratories.

**Ao2130/ Catalyst/Anotox** - Used to create and maintain an anoxic atmosphere in the workstation.  
**Ao2129**

**Ao6113 Light Tight Cover** - A close fitting impervious-to-light cover for the front of the workstation. Ideal for applications where exposure to sunlight or ambient light could effect results.

**Ao6114 Internal Storage Trays** - One or two trays can be positioned under the shelf. This is either a factory-fitted option or trays can be fitted on-site.

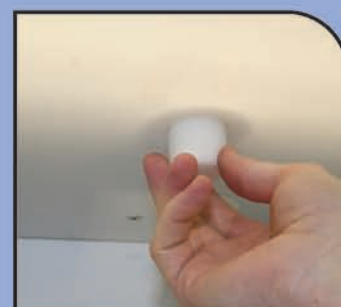
**Ao6116 Automated Sleeve Gassing System** - Automated system for evacuating as much air as possible from the sleeves to maintain internal conditions before entering the workstation.

## Software Options

- Ao6109 Data Logging** - Allows the data recording of environmental parameters inside the workstation - oxygen, carbon dioxide, temperature and humidity levels and cabinet internal pressure. The collected data can be down loaded via a USB interface to a memory stick and transferred to a PC for further analysis.
- Ao6108 Data Logging with Oxygen Profiling** - Allows the user to pre-programme different oxygen levels. The user can determine how long the workstation atmosphere remains at a particular oxygen level, when to return to a previous level, remain static or adjust to a different gas concentration.

## Factory-Fitted Options

- Ao6100 CO<sub>2</sub> Monitoring** - Hardware and software to monitor and control CO<sub>2</sub> in 0.1% increments from 0.1% to 15%
- Ao6101 Removable Front** - Permits thorough cleaning and sanitising between experiments. Enables users to introduce or remove items of equipment or bulk quantities of samples quickly and easily.
- Ao6102 Vacuum Take-off** - Provides a method of aspirating used liquid media from inside the workstation in safety and without the risk of spillage or contamination.
- Ao6103 15cm Letterbox** - Ideal for quickly introducing small quantities of samples.
- Ao6104 Humidification System** - Adds moisture in minute droplet form enabling rapid, sustained and accurate humidity control.
- Ao6106 Double Internal Socket** - (1 Amp maximum)
- Ao6107 Gas Sample Port** - This allows the user to take a sample of the workstation atmosphere for analysis.
- Ao6104 Whitley Automatic Humidification System**



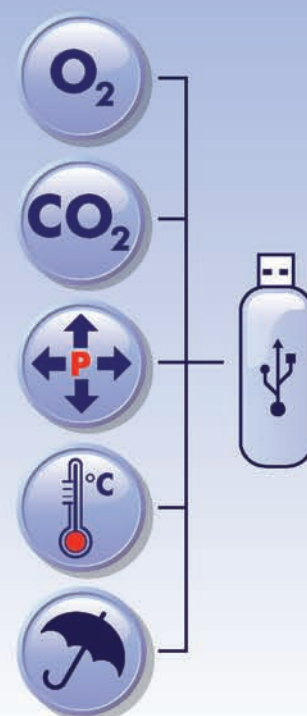
Simple oxygen sensor calibration without removing the sensor from the chamber



Wireless footswitch for convenient operation of porthole sequences



Convenient USB memory stick download of stored environmental parameters



## About Don Whitley Scientific

For over thirty years we have pioneered the development and use of workstations worldwide

Worldwide technical support

More than 2000 of our workstations are in use in fifty countries

Scientific guidance available from our own in-house contract laboratory facilities

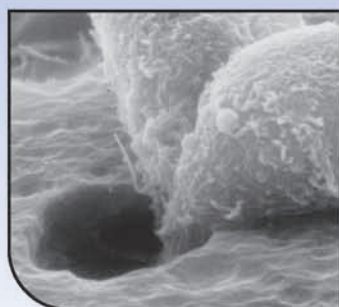


Image courtesy of BD Biosciences

## Product details

The Hypoxystation is the ideal product for cell culture research. Our new workstation replicates conditions comparable to those occurring in vivo.

You will have the option to:

- **Control O<sub>2</sub> in 0.1% increments from 0.1% to 20%**
- **Control CO<sub>2</sub> in 0.1% increments from 0.1% to 15%**
- **Carry out straightforward calibration of gas sensors**
- **Control temperature easily and precisely**
- **Control relative humidity up to 80%**

The Hypoxystation has been designed to combine functional reliability with operational comfort.

- Touch screen interface:
  - Allows you to easily monitor all parameters simultaneously
  - Eliminates the need for any other dials, switches and gauges
- Airlock provides effective cell ware transfer to and from the workstation environment in the fastest possible time
- Patented, ergonomic gloveports allowing gloved or bare hand working
- Each unit manufactured to suit the needs of your particular area of research

## Specification

<b>Ao6000</b>	<b>Whitley H35 Hypoxystation</b> External dimensions (L x H x D) 1255mm x 710mm x 720mm (without removable front)	<b>230V version</b>
<b>Ao6001</b>	<b>Whitley H35 Hypoxystation</b> External dimensions (L x H x D) 1255mm x 710mm x 720mm (without removable front)	<b>115V version</b>

### Don Whitley Scientific Limited

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