

## About Don Whitley Scientific

For over thirty years we have pioneered the development and use of modified atmosphere workstations for microbiology and cell culture applications

More than 3000 of our workstations are in use in fifty countries

Worldwide technical support

Scientific guidance available from our own in-house contract laboratories

The i2 Workstation provides a generous working area in which to conduct preparatory work. It is supplied complete with removable front, internal mains sockets and a wireless footswitch to control the patented oval ports.

The combination of a Whitley i2 Instrument Workstation and Seahorse XF Analyzer permits simultaneous, real-time analysis of mitochondrial respiration and glycolysis in mammalian cells under precisely controlled hypoxic conditions.

If your research requires unsurpassed accuracy, reproducibility and reliability, then insist on a Whitley Workstation.

## Specification

A06600	230V	<b>Whitley i2 Instrument Workstation</b> External dimensions (L x H x D) 1702mm x 825mm x 928mm
A06601	110V	

In the interests of a policy of continuous product improvement the company reserves the right to alter product specifications without prior notice. All rights reserved. © 2017 Don Whitley Scientific Limited.

### Don Whitley Scientific Limited

14 Otley Road, Shipley, West Yorkshire, BD17 7SE, England.

Telephone: +44 (0)1274 595728 Fax: +44 (0)1274 531197

Website: [www.dwscientific.co.uk](http://www.dwscientific.co.uk) Email: [info@dwscientific.co.uk](mailto:info@dwscientific.co.uk)

Whitley i2 Instrument Workstation/1017-03/June 2017



## Whitley Workstations Whitley i2 Instrument Workstation

 don whitley  
scientific  
[www.dwscientific.co.uk](http://www.dwscientific.co.uk)



Designed specifically for use with Seahorse Extracellular Flux Analyzers\*

Can be attached to any Whitley HEPA Hypoxystation

Accurate control of O<sub>2</sub>

Rapid, built-in airlock

Innovative touch screen interface

Modern, ergonomic design

Integral incubator

Removable front and data logging as standard

The Whitley i2 Instrument Workstation has been developed in response to a rising number of enquiries from scientists who desire to use Seahorse Extracellular Flux (XF) Analyzers\* in hypoxic conditions and were dissatisfied with the solutions available. Rather than adapting an existing chamber for this purpose, Don Whitley Scientific developed a new workstation specifically to suit the precise requirements of Seahorse Bioscience.

Extensive research and careful consideration has gone into the development of the i2, which has resulted in a modular system that includes a number of novel and unique features. This workstation can be used as a stand-alone unit or connected to a Whitley Hypoxystation via the new Whitley Transfer Tunnel, enabling preparation of cell lines under hypoxic conditions and their transfer directly into the i2 without exposure to air.

Another unique feature is the integral incubator, which enables you to precondition cellware and incubate plates and media at 37°C under the same atmospheric conditions to be used with the XF Analyzer.

The i2 maintains an internal temperature no higher than 28°C, excludes carbon dioxide, and provides precise oxygen control.

### Integral Incubator



\* Not suitable for the Seahorse XF-p



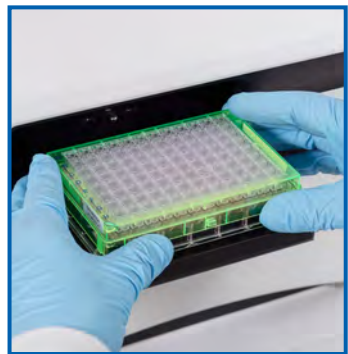
Intuitive operational software accessed via a full colour touch screen interface



Optional easily removable front for equipment and bulk sample transfer and thorough cleaning



Storage Rack for tissue culture flasks, multi-well plates and other labware.



The Seahorse Extracellular Flux Analyzer is positioned within the Whitley i2 Instrument Workstation to allow two handed working and so that the integral dot-matrix display can be viewed easily.



The i2 Instrument Workstation has been designed specifically for use with Seahorse XF Analysers - The integral 12 litre, rapid-cycle airlock has the capacity to introduce up to 44 x 96 well plates or small items of equipment into the workstation in 60 seconds. An optional letterbox can be specified, ideal for quickly transferring all sizes of dishes and small items.



Whitley i2 Instrument Workstation



Whitley i2 Instrument Workstation connected to a Whitley H35 HEPA Hypoxystation



Whitley i2 Instrument Workstation connected to a Whitley H45 HEPA Hypoxystation



To use the Transfer Tunnel: open the hinged door in the Hypoxystation.



Place the cellware to be transferred on a holder in the Hypoxystation.



insert cellware into the tunnel. Close and seal the door.

Factory-Fitted Options

- Ao6102 Vacuum Take-off Port** - Provides a method of connecting an external aspirator so that used liquid media from inside the workstation can be removed safely and without the risk of spillage or contamination.
- Ao6107 Gas Sample Port** - This allows the user to take a sample of the workstation atmosphere for analysis.
- Ao7208 9cm Front Loading Letterbox** - Ideal for quickly introducing small quantities of samples, cell culture flasks, etc.
- Ao7211 Spotlight Assembly** - Operated by a switch inside the workstation.
- Ao2945 Small Cable Gland** - The standard cable gland allows cables and probes (3mm – 7mm in diameter) to be introduced into the chamber without compromising internal conditions. More than one gland can be fitted.
- Ao6128 Large Cable Gland** - The large cable gland allows cables and probes (19mm – 23mm in diameter) to be introduced into the chamber without compromising internal conditions. More than one gland can be fitted. For requirements outside this range of sizes please discuss with our technical staff prior to order placement.
- Ao6116 Automatic Sleeve Gassing System** - Automated system for evacuating as much air as possible from the sleeves to maintain internal conditions before entering the workstation.

Software/Accessories

- Ao6108 Comprehensive Data logging with Oxygen Profiling (includes Ao6109)** Allows the data recording of environmental parameters inside the workstation AND allows the user to pre-programme different oxygen levels. The user can determine how long the workstation atmosphere remains at a particular oxygen level or adjust to higher or lower concentrations
- Ao6133 Whitley Transfer Tunnel** - Transfer cell plates from a H35, H35 HEPA or H45 Hypoxystation to the i2 Workstation without subjecting cells to ambient laboratory conditions.
- Ao4040 Gas Change-Over Unit** - Switches automatically between two gas cylinders when pressure in the active cylinder drops below a pre-determined level. Clearly labelled gauges on the incoming and outgoing gas lines allow pressures to be checked easily and conveniently. Note: 1 x Change-Over unit is required for each gas type.
- Ao6865 Internal Storage Rack** - Storage provision for tubes, flasks, small bottles, Seahorse Analyser consumables etc. Up to 2 racks can be accommodated.
- Ao6134 i2 Trolley** - Bespoke trolley, with castors, to fully support the i2.



Patented oval ports for ease of movement. Designed to ensure maximum comfort when working in the chamber for long periods.