

# The Fastest Oxygen Control on the Market

*If you need a workstation that responds rapidly to changes in oxygen set point, read on. We have conducted tests that lead us to believe that no other manufacturer's hypoxic workstations are able to offer the same accuracy and speed of response to set point changes as those achievable in Whitley Workstations.*

Whitley Hypoxic Workstations allow the control of oxygen concentration in 0.1% increments over the range 0 to 20% and the control of carbon dioxide concentration in 0.1% increments over the range 0 to 15%. Unlike workstations produced by some other manufacturers, the sophisticated control mechanisms used in Whitley H range workstations allow the selected gas mixture to be rapidly and accurately attained and adjusted.

To document the speed with which atmospheric oxygen concentrations can be changed in an H35 workstation, we conducted tests in our own laboratory and used the workstation's data logging facility to record the results during the test period.

These graphs demonstrate that the Whitley H35 Hypoxystation responds very rapidly to changes in oxygen set point. Due to the influx of gas (air or N<sub>2</sub>) after a change in O<sub>2</sub> set point, there is an inevitable brief, temporary decrease in CO<sub>2</sub> concentration. However, the H35 control mechanisms ensure that this decrease is minimised and the original CO<sub>2</sub> set point is regained quickly. Furthermore, this accuracy is achieved over the full range of operating conditions, including very low oxygen concentrations (0.1 to 1.0%).

We recommend that anyone considering the purchase of an apparently similar workstation should request equivalent oxygen control data from the manufacturer for comparative purposes.

