

# Upgrade Your INVIVO<sub>2</sub>

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# GAS MIXER Q

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## Advanced Gas Mixing System

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Retro-fit your existing Ruskinn INVIVO<sub>2</sub> Hypoxia Workstation with the advanced Gas Mixer Q\*

\*Applies to Workstations installed prior to April 2008



↳ **Improved Oxygen Control**

Oxygen stability from 0.0% (anoxia) to 20.9% (ambient) in 0.1% increments

↳ **Now - Accurate CO<sub>2</sub> Control**

CO<sub>2</sub> stability from 0.0% to 30.0% in 0.1% increments

↳ **Set and Actual O<sub>2</sub> and CO<sub>2</sub> Values**

Actual O<sub>2</sub> and CO<sub>2</sub> values are displayed to 2 decimal points for improved accuracy

↳ **One Touch Calibration**

Simplified calibration process - O<sub>2</sub> sensor can be calibrated at any time by single touch screen command, even when chamber is in use

↳ **Cycle Programming**

Allows a user-defined timed sequence of up to 4 different O<sub>2</sub> and CO<sub>2</sub> concentrations - ideal for conditioning, profiling episodic hypoxia and chronic hypoxia studies

↳ **Communications Port**

Facilitates download of date, time, O<sub>2</sub>% and CO<sub>2</sub>% values to PC / memory stick for recording important events and diagnostics

↳ **Touch Screen Interface**

Improved ease of use

↳ **Rapid Equilibration**

Faster chamber-to-setpoint equilibration time provides for more rapid atmosphere changes

## Product Specifications

### Bench Space Requirements

- Height of Unit (excluding stand) 405mm
- Width of Unit (side to side) 260mm
- Depth 590mm

### Gas Mixer Q Weight

- Weight approx. 10kg

### Optional Accessories

- Gas Tank Regulators
- Gas Tank Filter Modules

### Alarms

- Gas Low Pressure - Visual and Audible

### Gas Supply

- Up to 4 Separate Cylinders: H<sub>2</sub>/N<sub>2</sub>; CO<sub>2</sub>; N<sub>2</sub>; Air

### What can the new Q do that the old gas mixer won't do?

|  | New Q | Old Mixer |
|--|-------|-----------|
| Controls O <sub>2</sub> from 0.0% to 20.9%   | Yes   | Yes       |
| Controls CO <sub>2</sub> from 0.0% to 30.0%  | Yes   | No        |
| Displays actual O <sub>2</sub> and CO <sub>2</sub> values to two decimal places for improved accuracy  | Yes   | No        |
| Automatically calibrates O <sub>2</sub> sensor through touch screen control  | Yes   | No        |
| Records date, time, O <sub>2</sub> % and CO <sub>2</sub> % values for download to memory stick / PC  | Yes   | No        |
| Allows hypoxic cycling, facilitating up to 4 different O <sub>2</sub> and CO <sub>2</sub> concentrations through a user input sequence of time | Yes   | No        |
| Provides touch screen control  | Yes   | No        |
| Features very rapid pull-down times  | Yes   | No        |

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The Ruskinn brand was founded in 1993 and rapidly became established as one of the world's leading suppliers and manufacturers of anaerobic and modified atmosphere workstations. Ruskinn's purpose built factory is located within the Sony Technology Centre near Pencoed in South Wales, UK. Ruskinn's range of high quality workstations is available worldwide through a global network of carefully selected distributors.



**INVIVO<sub>2</sub> 200**  
Your Personal Workstation



**INVIVO<sub>2</sub> 300**  
Compact Workstation - Larger Interlock



**INVIVO<sub>2</sub> 400**  
Our Most Popular Workstation



**INVIVO<sub>2</sub> 500**  
Facilitates Transfer of Small Equipment



**INVIVO<sub>2</sub> 1000**  
Dual Chambers - the Best Choice for Large Labs



**SCI-TIVE**  
Total In Vitro Environment  
Our Most Advanced Workstation  
imaging ready system, also features HEPA filtration



**Gas Mixer Q**  
Standard on all INVIVO<sub>2</sub>  
Workstations  
(Integrated on SCI-TIVE)

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