



## Oxygen Analyser

## ICA310

This oxygen analyser is a high accuracy instrument for use where high resolution measurements in low oxygen atmospheres are required. The operation is simple with an ON switch and an air calibration adjustment. The sample gas is filtered and the oxygen concentration is measured with an advance high-performance and long life electrochemical cell.

This analyser automatically changes range to provide a resolution of 0.01% oxygen when the reading falls below 10%

The measurement is not affected by CO<sub>2</sub>, CO, H<sub>2</sub>, ethylene or hydrocarbons in the sample gas. The cell has been designed to operate continuously in air for two years before it needs to be changed. A replacement cell is simple to install and requires minimal calibration.

The air calibration at 21% can be adjusted to compensate for ambient barometric pressure changes and gradual reduction in cell sensitivity. The analyser zero is very stable but for very critical work there is a screwdriver adjustment for calibration.

A miniature pump is controlled with a separate switch and the pump and analyser is powered by rechargeable batteries. A mains charger with optional power plugs for multinational use is also supplied.

As an option a USB data logger can record the measured value which can be downloaded on a standard computer USB port and graphed with the software provided.



- 0-25% Oxygen
- 0.01% Resolution below 10%
- LCD Digital display
- 2 year life Cell
- No CO<sub>2</sub> interference
- Low zero drift
- Sampling pump
- Rechargeable batteries
- Optional USB data logger

### Specifications :

10-25% Repeatability : 0.1%. Resolution : 0.1%.

0-10% Repeatability : 0.02%. Resolution : 0.01%.

Typical cell life : 2 years.

Dimensions : 190 x 135 x 60mm

Battery : Ni-MH Rechargeable, life between charges 30H +

Continual operation with mains power

Response time : 99% in 20sec.

Sample flow: 0.7 l/min.

Optional logger : 32,000 readings, rate programmable 1 sec to 12 hrs/reading

### Distributor :

### International Controlled Atmosphere Ltd Instrument Division

Lawrence House, Transfesa Road,  
Paddock Wood, Kent TN12 6UT

**Tel:** +44 (0)1892 831702

**Fax:** +44 (0)1892 831701

**Email:** tech@ICAstorage.com

**www.ICAstorage.com**