

# SCS110 OXYGEN ANALYZER



The SCS100-series oxygen analyzers are a reliable and accurate instrument for use in many industries. The operation is simple with an ON switch and a single air calibration adjustment. The sample gas is filtered and the oxygen concentration is measured with an advance high-performance electrochemical cell.

Unlike some cells, 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 to four 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 has been found to be exceptionally stable, but can be zero calibrated with nitrogen.

While the SCS100 is hand-operated, the SCS110 includes a miniature high-efficiency electrical sample pump and has a rechargeable battery. This is recharged using the 18V battery recharger supplied with the analyser. The oxygen cell has a two year lifetime in normal use (a four year option is available) and can be changed by SCS or the operator.

## SPECIFICATIONS

Repeatability: <0.1%. Resolution: 0.1%.

Typical cell life: 2 year cell (4 year option)

Dimensions : 120 x 90 x 60 mm.

Battery: SCS100: 9V Lithium Manganese MN1604 (PP3). Battery life 4 years in typical use, 8 operations per day.

SCS110: Rechargeable, supplied with 18V charger. 50 operations between charges. Analyser display shows when battery charge is low.

T99 response time: 10 seconds

Sample flow: SCS100 controlled by hand pump.

SCS110: internal pump runs at 1.0 l/min.

SCS110LV: Low volume for N<sub>2</sub> Flush Packaging

Warranty: One year including cell.

## FEATURES

- ▣ Electric pump for sampling
- ▣ Simple Single On/Off Button, Auto off after 8 min
- ▣ 1 year warranty including cell
- ▣ 2 year cell life (4 year cell option available)
- ▣ 0-25% Oxygen
- ▣ 0.1% O<sub>2</sub> Resolution
- ▣ LCD Digital display
- ▣ High performance Cell
- ▣ No CO<sub>2</sub> interference

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