



SCS250i DUAL GAS ANALYSER



SPECIFICATIONS

Resolution: Above 5% 0.1%, Below 5% 0.01%.

Repeatability: 0.1%, (0.05 below 5%).

O₂ cell life: Typically 4 Years.

Battery capacity: 4 Hrs Operation Between Charges

Charger: universal 100 to 240V AC

Dimensions: 130 x 160 x 200 mm (excluding handle)

Sample flow: 1L/min

Response time: O₂: 99% in 30 sec

CO₂: 99% in 60 sec

Output signals: O₂: 0-25% 0-2.5V, 4-20mA

CO₂: 0-20% 0-2V, 4-20mA.

The SCS250i O₂ & CO₂ dual gas analyser uses state of the art technology to make this an accurate, stable and easy-to-use instrument. This analyser has many applications and is particularly suitable for use in low oxygen produce storage and in respiration studies.

Oxygen is measured with a high-performance electrochemical oxygen sensor. The zero calibration is very stable and the reading in air is adjusted with the simple front panel span control.

The carbon dioxide is measured with a miniature, fully enclosed infrared sensor that is highly stable and requires infrequent calibration.

There is an intelligent LCD digital display for both gases. It also indicates the sample flow and power status.

A new generation, high-efficiency diaphragm pump gives a high sample flow. The hydrophobic filter prevents water being sucked into the analyser and a flow switch monitors for sufficient sample flow.

Power is provided from a sealed gel lead acid battery. The supplied charger is optimised to ensure both quick charging and continuous mains operation. The instrument will automatically turn off after 30 minutes of operation on battery power. It also switches off when the battery is almost exhausted to extend battery life.

FEATURES

- ▣ 0-25% O₂ & 0-20% CO₂
- ▣ 0.01% Resolution
- ▣ Infra-Red CO₂ sensor
- ▣ High performance O₂ cell
- ▣ Rugged & lightweight
- ▣ Low calibration drift
- ▣ Sampling pump
- ▣ Rechargeable battery
- ▣ Water blocking filter
- ▣ Voltage & 4-20mA outputs