

O₂ & CO₂ Modular Analyser **GCS 650**



- 0-25% O₂ & 0-20%* CO₂
- 0.1% Resolution
- Infra Red CO₂ sensor
- High performance O₂ cell
- Rugged & lightweight
- Low calibration drift
- Optional digital display
- 24v operation
- Water blocking filter
- Voltage & 4-20 mA outputs

Based on our successful and well proven GCS150 portable analyser, this oxygen and carbon dioxide analyser is designed to be built in to gas measuring systems particularly in the produce storage industry. It is suitable for interfacing into computer and PLC systems and is used with the GCS600 series of controllers.

Oxygen is measured with a high-performance electrochemical oxygen sensor. The zero calibration is very stable and the reading in air can be adjusted locally, by computer automatic calibration or a remote front panel span control.

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

As an option a miniature LCD display can be fitted for each gas for local indication.

This analyser should be supplied with a gas sample from a properly designed sampling system but it includes a hydrophobic filter as a final protection from dirt and water.

The power supply is 24v DC and the outputs are 4-20 mA full scale and 0-1v for 10%. An additional module is available to provide an electronic flow monitor and an amplifier for 0-10v PLC inputs.

It is housed in a robust cast aluminium case which has a clip for DIN rail mounting.

Specifications : *Optional CO₂ ranges: 2%, 5% or 10%, Resolution 0.1%, Repeatability : 0.2%, O₂ cell life: typically 2 years, Dimensions : 105 x 205 x 65 mm . Sample flow typical 1l/min
Response time : 99% in 30 sec. Output signals :0-20%CO₂ 0-2v, 4-20mA. 0-25% CO₂ 0-2.5v , 4-20mA
Power supply 24v DC +/- 10%, 0.15A

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Distributor: