

*Clairair Ltd*  
Sensor People

## CD-O2

Disposable Galvanic  
Dissolved Oxygen Sensor



### Features

- Maintenance free
- Linear voltage output
- Works directly with a pH mV or ion meter.
- 35mV – 55mV output in air saturated water
- <0.3mV output in zero oxygen solutions
- Sensing range: 0 - 200% air saturated reading
- Operating temperature range: 0 - 40°C
- Standard 12mm body diameter
- 120mm probe length
- Lead length can be made to suit requirement, standard length = 1 metre.
- A.T.C. sensor (Thermistor or Pt100/1000) can be fitted to suit requirement
- Connector type can be fitted to suit requirement, standard connector = BNC
- Maximum operating pressure: 1 Bar
- Lifetime: 2 years under normal usage

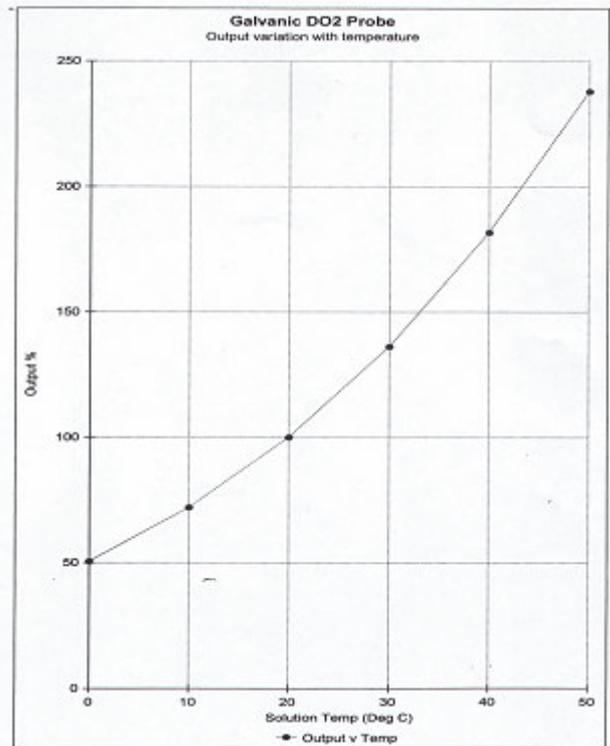
### Description and Operation

The CD-O2 is a disposable galvanic dissolved oxygen sensor. It has a unique sealed membrane that allows ease of use without the need for spare membranes and refilling solutions. This also guarantees accurate results and long life, typically 2 years under normal usage. The output voltage is a linear function of dissolved oxygen. The zero level output voltage in zero oxygen solution is less than 1% of the air saturated water (20.9% oxygen) level output voltage. The typical output variation with temperature is shown in the accompanying graph and this can be compensated by use of a fitted A.T.C. sensor or an external temperature sensor.

The sensor can be directly connected to a standard pH mV meter or an ion meter, .

### Handling Precautions

Connections should be made via the supplied connector only.



*In the interest of continued product improvement Clairair Ltd reserves the right to change the design features and specifications without prior notification. The data contained in this document is for guidance only. Whilst Clairair Ltd has taken care to ensure the accuracy of the information in this document it accepts no responsibility for the consequences of any use of this document or the information contained within it.*

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